"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLIYEVKTOV- NIKOLADZE, N.M.

Migdal, A. B.; and Polievktov-Nikoladze, N. M. Quantum kinetic equation for double collisions. Dokl. Akad. Nauk SSSR (N.S.) 105 (1955), 233–235. (Russian)

The motion of particles under the influence of a large number of scattering centers is investigated. By the use of the density matrix an approximate kinetic equation is obtained, in which multiple collisions are neglected.

N. Rosen (Haifa).

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLIYEVKTOV-NIKOLADZE, N.M.

Charge normalization not considering the theory of perturbetion. (MLRA 9:3)
Dokl.AN SSSR 105 no.3:458-460 N '55.

1. Predstavleno akademikom N.N Bogolyubovym.
(Potential, Theory of) (Electrons)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLIYEVKTOV-NIKOLADZE, N.M.

SUBJECT USSR/MATHEMATICS/Differential equations CARD 1/2 PG - 529
AUTHOR POLIEVKTOV-NIKOLADZE N.M.
TITLE On the Green's function for the photon.
PERIODICAL Doklady Akad.Nauk 105, 703-705 (1955)
reviewed 1/1957

An approximative expression for the photon Green's function is obtained from its functional integral representation

$$D_{\mu\nu}(x;x'') = i\,\frac{\int a_\mu(x')a_\nu(x'')\exp(i\Lambda[a,\omega])(da)(d\omega)}{\int\exp(i\Lambda[a,\omega])(da)(d\omega)},$$

where the supplementary ω-integration has its origin in the representation of the so-called "delta functional", and the functional Λ is determined by

$$\frac{\delta\Lambda}{\delta a_\mu(x)} = \frac{1}{4\pi}\Box a_\mu(x) + \frac{\partial\omega(x)}{\partial x_\mu} + j^p_\mu(x)\,;\quad \Lambda[0,\omega] = 0.$$

Here j^p denotes the finite part of the polarization current. Retaining in Λ only terms of the order e^2 one obtains

$$\Lambda = -2\pi^3\int k^2(1-e^2\varphi(k))a_\mu(k)a_\mu(-k)d^4k - 16\pi^4 i\int\omega(-k)k_\mu a_\mu(k)d^4k,$$

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

Polievktov-Nikoladze N. N.
POLIEVKTOV-NIKOLADZE, N. N.

"Calculation of Quasi-Stationary Electromagnetic Field in a System with Toroidal Symmetry." (Work carried out n 1958); pp. 70-80.

"The Physics of Plasmas; Problems of Controlled Thermonuclear Reactions." Vol. IV. 1958, published by Inst. Atomic Energy, Acad. Sci. USSR.
resp. ed. M. A. Leontovich, editorial work V. I. Kogan.

Available in Library.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

30143
S/058/62/000/004/022/160
A058/A101

24.2500

AUTHOR: Poliyektov-Nikoladze, N. M.

TITLE: On energy losses of heavy particles

PERIODICAL: Referativnyy zhurnal, Fizika, no. 4, 1962, 54, abstract 4B396 ("Pizikis institutis shromebi. Sakartvelos SSR Metsnierebata Akademia, Tr. In-ta fiz. AN GruzSSR", 1960, v. 7, 135 - 146, English summary)

TEXT: It is shown that if spatial dispersion is taken into account (i.e., the dependence of the dielectric constant ε not only on frequency ω but also on wave number k), the quasi-macroscopic Maxwell equation can be used to determine the energy losses of heavy particles without marking off the boundary between cases of large and small sighting parameters. In the case of low velocities (i.e., close collisions) the results of the developed theory coincide with those of the quantum theory of particle interaction with individual atoms.

Yu. Vartanyan

[Abstracter's note: Complete translation]

Card 1/1

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

L 12047-66 EWT(l)/EWP(m)/T IJP(c)
ACC NR: AP6002659 SOURCE CODE: UR/0386/65/002/012/0551/0554

AUTHOR: Poliyevktov-Nikoladze, N. M.

ORG: Tbilisi State University (Tbilisskiy gosudarstvenny universitet)

TITLE: Non-Einsteinian gravitation

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 2, no. 12, 1965, 551-554

TOPIC TAGS: gravitation, cosmology, general relativity theory

ABSTRACT: The author points out that Einstein's hypothesis, according to which the invariant Lagrangian density of the free gravitational field in $\Lambda = R/\kappa$, (R is the scalar space-time curvature and $\kappa = 2 \times 10^{-48}$ g/cm-sec^2) is not uniquely proved, and that none of the presently known facts proves the incompatibility with experiment of an infinite set of non-Einsteinian expressions for Λ. Therefore, without patently contradicting experiment, he assumes that the expression $\Lambda = R/\kappa$ is actually only an approximation, which is valid only for a sufficiently weak field, a criterion for which is derived. He assumes in particular that Einstein's equations do not present a fully equivalent description of non-quantum gravitation and constructs his theory on the basis of the Lagrangian formalism, obtaining the expression for Λ from considerations of dimensionality and invariance, and also from the

Card 1/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

ACC NR: AP7001378 (A,N) SOURCE CODE: UR/0413/66/000/021/0052/0052

INVENTORS: Yevdokimov, V. I.; Poliyevskiy, G. A.

ORG: none

TITLE: Method for synchronizing self-excited generators of periodic or random sequences of pulses with determined cycle interval. Class 21, No. 187830

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 21, 1966, 52

TOPIC TAGS: pulse generator, pulse sequence, pulse amplitude

ABSTRACT: This Author Certificate presents a method for synchronizing self-excited generators of periodic or random sequences of pulses with determined cycle interval. To insure stable operation of the self-excited generator over a wide range of pulse and interval density variation, input pulses with constant amplitude are supplied to a converter of interval length between pulses to pulse amplitude directly proportional to the length of the preceding interval. The converted pulses are then supplied through a synchronization circuit to the self-excited generator.

SUB CODE: 09/ SUBM DATE: 03Jul65

Card 1/1 UDC: 621.394.145

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

PETRUSENKO, V.G.; SHOSTYA, I.V.; OKUNEVA, Z.S.; PRIBITKOVA, Yu.V.; FILIMONOV, V.P.; POLIYEKTOVA, A.M.; CHERNISHOVA, N.P.; ISAYCHENKO, M.M., red.; LINKOV, G., tekhn.red.

[Economy of Cherkassy Province; statistical collection] Narodne hospodarstvo Cherkas'koi oblasti; statystychnyi zbirnyk. Cherkasy, 1957. 126 p. (MIRA 12:11)

1. Cherkassy (Province) Statisticheskoye upravleniye. 2. Nachal'nik Statisticheskogo Upravleniya Cherkasskoy oblasti (for Isaychenko). (Cherkassy Province--Statistics)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

VOL'FKOVICH, S.I.; LYKOV, M.V.; CHEREPANOVA, A.S.; KOZLOVA, Z.A.; POLIYEVKTOVA, E.G.

Production of potassium metaphosphate as a concentrated and complex fertilizer. Zhur.prikl.khim. 38 no.9:1897-1903 S '65. (MIRA 18:11)

1. Nauchnyy institut po udobreniyam i insektofungitsidam imeni Ya.V.Samoylova.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLIYENKO, A.

Development of commerce between the U.S.S.R. and the European socialist countries. Sov. torg. 35 no.11:43-47 N '61.
(MIRA 14:10)

(Russia--Commerce--Europe, Eastern)
(Europe, Eastern--Commerce--Russia)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

L 07068-67 EWT(1)
ACC NR: AP6019233 (N) SOURCE CODE: UR/0144/66/000/002/0209/0212

AUTHOR: Poliyevskiy, G. A.

ORG: None

43
8

TITLE: Investigation of a sinewave voltage amplitude stabilization circuit

SOURCE: IVUZ. Elektromekhanika, no. 2, 1966, 209-212

TOPIC TAGS: circuit reliability, electronic circuit, pulse amplitude, pulse rate

ABSTRACT: The essence of the amplitude stabilization method analyzed is that an input signal, consisting of pulses of constant amplitude, is converted into pulses of variable amplitude, with the amplitude of each pulse selected proportional to the length of the preceding pause. Thus, the pulse energy is dependent on the interval between successive pulses, whereas the average energy of the pulses in time is retained constant, regardless of the duty factor. The action of a periodic sequence of pulses on a circuit using the principle is analyzed. Variations in the ratios of capacitances of condensers used will produce a linear dependence of the pulse amplitude on the length of the pause preceding each pulse at the circuit output. Orig. art. has: 16 formulas and 5 figures.

SUB CODE: 09/SUBM DATE: 18Oct65/ORIG REF: 001

Card 1/1 UDC: 621.373.+621.3.072.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

MASLENITSKIY, I.N.; POLIYEVSKIY, L.N.

Assaying materials containing a large amount of iron or chromium oxides. Izv. vys. ucheb. zav.; tsvet. met. 4 no.5: 139-144 '61. (MIRA 14:10)

1. Leningradskiy gornyy institut, kafedra metallurgii tyazhelykh tsvetnykh i blagorodnykh metallov.
(Tailings (Metallurgy))--Analysis)
(Slag--Analysis)
(Metallic oxides--Analysis)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLIYEVTSEV, N.P.; KAMILOV, I.K.

Comparative activity of dubinidine hydrochloride and hydrobromide in synergism with soporifics and narcotics. Farm. alk. no.1:150-154 '62. (MIRA 16:9)
(DUBINIDINE) (NARCOTICS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLIYEVTSEV, N.P.

Some analgesic properties of the alkaloid dubinidine. Farm. alk. no.1:138-144'62. (MIRA 16:9)
(DUBINIDINE) (ANALGESICS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLIYEVTSEV, N.P.; KAMILOV, I.K.

Sedative properties of the alkaloid dubinidine. Farm.alk. No.1:145-149'62. (MIRA 16:9)
(DUBINIDINE) (SEDATIVES)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

MAGRUPOVA, M.A.; KAMILOV, I.K.; POLIYEVTSEV, N.P.

Sedative soporific and narcotic actions of the alkaloid haplophylidine. Farm. alk. no.1:155-159'62. (MIRA 16:9)
(HAPLOPHYLIDINE) (SEDATIVES) (NARCOTICS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

UMAROVA, Sh.S.; KAMILOV, I.K., POLIYEVTSEV, N.P.

Effect of galanthamine hydroxymethylate on the action of arecoline and atropine. Farm.alk. 181-183'62. (MIRA 16:9)
(GALANTHAMINE) (ARECOLINE) (ATROPINE)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

UMAROVA, Sh.S.; KAMILOV, I.K.; POLIYEVTSEV, N.P.

Galanthamine hydroxymetylate and its cholinergic properties.
Farm.alk. no.1:174-180'62. (MIRA 16:9)
(GALANTHAMINE) (PARASYMPATHOMIMETIC AGENTS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

MAGRUPOVA, M.A.; KAMILOV, I.K.; POLIYEVTSEV, N.P.

Antagonism between haplophylidine and analeptics. Farm.alk. no.1:169-173'62. (MIRA 16:9)
(HAPLOPHYLIDINE) (ANALEPTICS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

MAGRUPOVA, M.A.; KAMILOV, I.K.; POLIYEVTSEV, N.P.

Synergetic action of the alkaloid haplophylidine in combination with soporifics and narcotics. Farm.alk. no.1:160-168'62. (MIRA 16:9)

(HAPLOPHYLLIDINE) (NARCOTICS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

AKHMEDKHODZHAYEVA, Kh.S.; POLIYEVTSEV, N.P.

Sedative nature of the alkaloid perforin and its synergism with soporifics and narcotics. Vop. biol. i kraev. med. no.4:436-441 '63. (MIRA 17:2)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

UMAROVA, Sh.S.; KAMILOV, I.K.; POLIYEVTSEV, N.P.

Comparative action of galanthamine hydrobromide and hydroxymethylate on neuromuscular conduction. Farm.alk. no.1: 184-189 '62. (MIRA 16.9)

(GALANTHAMINE--PHYSIOLOGICAL EFFECT) (NEUROCHEMISTRY)
(MUSCLE)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLIYEVTSEV, N.P.

The alkaloid dubinidin and its antagonism to analeptics. Izv.AN Uz. SSR. Ser.med. no.6:66-71 '59. (MIRA 13:4)

1. Institut khimii rastitel'nykh veshchestv AN UzSSR.
(ALKALOIDS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

L 05101-67 EWT(d)/FSS-2/EWT(1)

ACC NR: AP6013236 SOURCE CODE: UR/0413/66/000/008/0031/0031

AUTHOR: Poliyevskiy, G. A.

44
B

ORG: none

TITLE: A method for separating sinusoidal oscillations from a periodic or random pulse sequence. Class 21, No. 180629

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 31

TOPIC TAGS: pulse analyzer, pulse duration modulation

ABSTRACT: This Author Certificate presents a method for separating the sinusoidal oscillation from a periodic or random pulse sequence with shock excitation by pulses of a resonance loop. The design provides stabilization of the oscillation amplitude separated out when there is a change of the pulse rate or the pulse spacing. Input pulses with a constant amplitude are fed to the converter of the duration of the spacings between the pulses. This converter converts the spacing duration between the pulses to a pulse amplitude directly proportional to the duration of the spacing.

SUB CODE: 09/ SUBM DATE: 220ct64

Card 1/1 vmb

UDC: 621.396.225

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLIYVETS, G.I.

POLIYVETS, G. I.

Results of magnesic therapy of remote sequels of craniocerebral injuries. Sovet. med. No. 12, Dec. 50. p. 20-2

1. Moscow.

CLML 20, 3, March 1951

POLIYVETS, Yu.G.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

The SM568 pug mills. Biul.tekh.-ekon.inform. no.9:43-45 '58.
(MIRA 11:10)

(Building machinery)

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

TERLECKI, J.; SULOCKI, J.; POLIWKO, I.

Purification of cyclohexane by zone melting. Acta physica Pol 26 no.6:1251-1253 '64.

1. Department of Physics of the School of Medicine, Gdansk, and Department of Physics of Teachers College, Gdansk. Submitted August 31, 1964.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

AKHMEDBABAYEV, M.Kh.; ARIFDZHANOV, K.A.; BELOUSOV, N.A.; BELYAKOV, S.P.; ZOTOV, V.G.; ISAYEVA, Z.D.; MAKHMUDOV, I.A.; ISHCHENKO, F.S.; KRASIL'NIKOV, Ya.A.; NIKOL'SKIY, I.P.; NETSETSKIY, A.M.; PERGAT, F.F.; PAVLOVSKAYA, M.D.; SAMSONOV, L.S.; POLIZHAYEV, A.I.; SMIRNOV, F.Ye.; SABININ, M.N.; SHUTYAYEV, N.A.; CHIZHIK, V.I.; KARPENKO, P.M.; IMEROV, A.I.

Mikhail Aleksandrovich Nenetskii; obituary. Veterinariia 37 no.10:94 O '60. (MIRA 15:4)
(Nenetskii, Mikhail Aleksandrovich, 1899-1960)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLIZU, Al.; ZAHARIADI, C.; BONTEA, Vera; MARCHES, C.; BUCUR, Elena

Investigations on the biological action of some thiourea derivatives. Studii cerc biol s. bot 17 no.1:93-100 '64.

1. Laboratory of Insectifungicides and Toxicology, "Traian Savulescu" Institute of Biology. Submitted March 24, 1964.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLIZU, A.

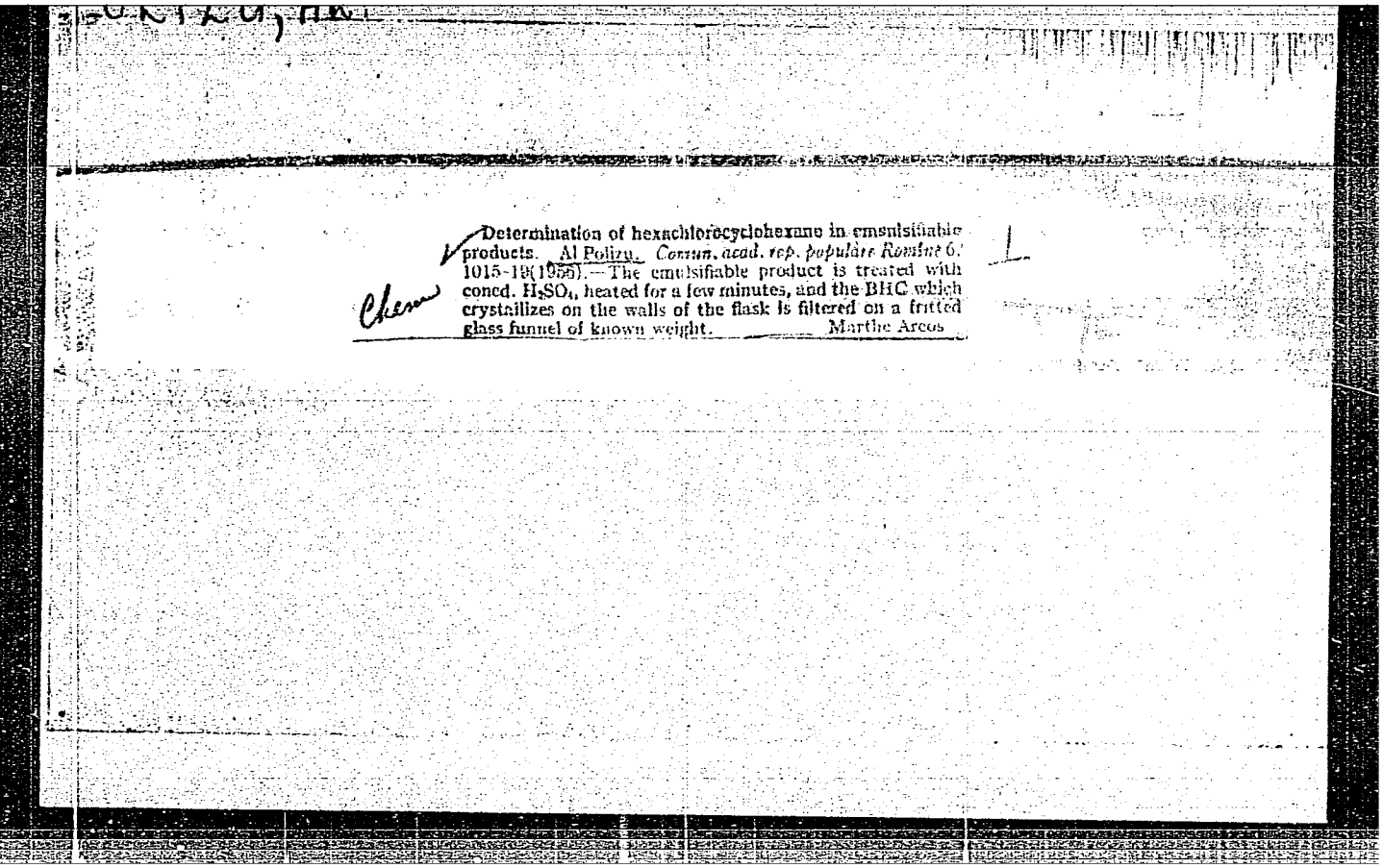
POLIZU, A. Determination of hexachlorocyclohexane in emulsive products. p. 1015.

Vol. 6, no.8, Aug. 1956
COMUNICARILE.
SCIENCE
RUMANIA

So: East European Accession, Vol. 6, NO.5, May 1957

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



Determination of hexachlorocyclohexane in emulsifiable products. Al Poliru. *Comun. acad. rep. populare Romîne* 6, 1015-18(1956).—The emulsifiable product is treated with concd. H_2SO_4, heated for a few minutes, and the BHC which crystallizes on the walls of the flask is filtered on a fritted glass funnel of known weight. Martha Arcos

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

COUNTRY : RUMANIA
CATEGORY : Plant Diseases. General Problems. 0

ABS. JOUR. : RZhBiol., No.23 1958 No. 104964

AUTHOR : Petrascu, S.; Poliţu, A.
INST. : -
TITLE : Petroleum Chemistry in Plant Protection

ORIG. PUB. : Rev. chim., 1957, 8, No.12, 763-767

ABSTRACT : A survey on the application of different petroleum distillation products in plant protection. Achievements obtained in the given area in Rumania give reasons for the application of these products on a wide scale. Bibliography of 71 titles.

CARD: 1/1

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLIZU, Alex; DUSCHIN, I.

Influence of the residue of parathion and systox on the fermentation of grape must. Comunicarile AR 11 no.5:545-551 My '61.

1. Comunicare prezentata de Alice Savulescu, membru corespondent al Academiei R.P.R.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

MIRON, Radu, conf. univ.; NEGREI, Veronica; MANOLIU, Lucia; POLIZU, Lucia; VISA, Eugen; HAIVAS, M.; GLIGOR, I.; FUCHS, I.; ZOICAN, Voicu; BAGHINA, V., prof.; HADIRCA-BREAZA, I.; IVANESCU-TIRGOVISTE, C.; NEGREA, M.; SPIRIDON, I.; SZABO-PLOIESTI, T.; GRIGORE-PLOIESTI, I., prof; BAZACOV, Gh., prof.; PAUNESCU, Al.; MORARU, I.; SAHAGIA, C.; UDREA, V., prof. (Galati); NIMITAN, I. (Suceava)

Observations on the Analytic Geometry Manual for the 11th grade. Gaz mat fiz 15 no.6:298-321 Je '63.

1. Societatea de Stiinte Matematice si Fizice, Filiala Iasi (for Miron). 2. Societatea de Stiinte Matematice si Fizice, Filiala Craiova (for Negrei, Manoliu, Polizu). 3. Societatea de Stiinte Matematice si Fizice, Filiala Timisoara (for Visa, Haivas, Gligor, Fuchs). 4. Societatea de Stiinte Matematice si Fizice, Subfiliala Petroseni (for Zoican). 5. Societatea de Stiinte Matematice si Fizice, Filiala Ploiesti (for Baghina, Hadirca-Breaza, Ivanescu-Tirgoviste, Negrea, Spiridon, Azabo-Ploiesti, Grigore-Ploiesti). 6. Societatea de Stiinte Matematice si Fizice, Subfiliala Tg. Severin (for Bazacov, Paunescu, Moraru, Sahagia).

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

LEGUM, Mirko, Sanitetski pukovnik, dr.; TUMIR, Vladimir, sanitetski kapetan I klase; POLJAK, Boris, higijenicar

Inoculation of epidemic hepatitis. (Analysis of an epidemic of hepatitis in the commune of Koteruma in 1959.). Vojnosanit. pregl. 21 no.5:350-353 My '64.

1. Epidemiolosko odsijenje, Higijensko-epidemiolosko odeljenje, Zagreb.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

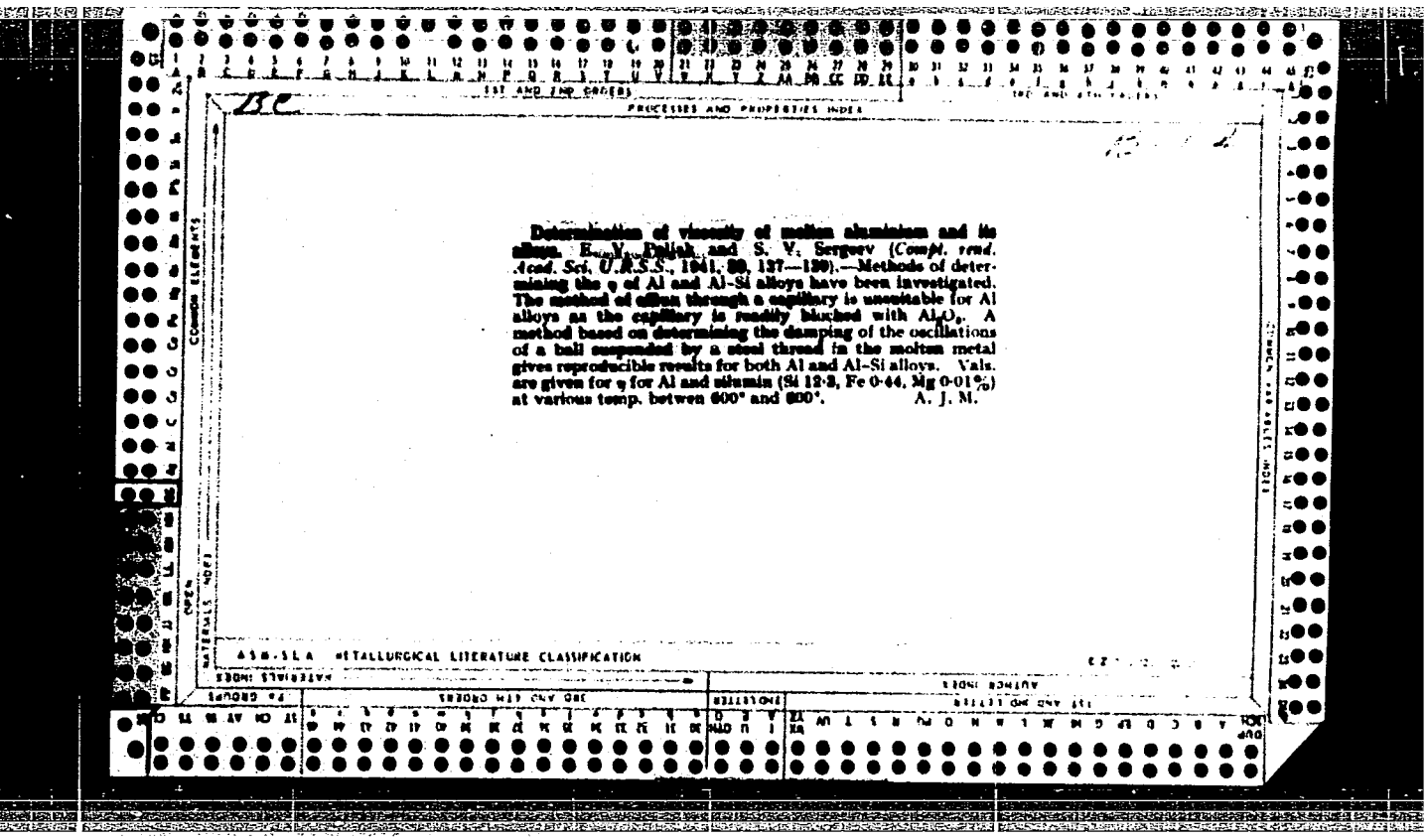
"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

CH

Wood decomposition with peracetic acid. II. Determination of cellulose by means of peracetic acid. A. Poljak (Univ. Zagreb, Yugoslavia). *Holzforschung* 5, 31-3(1951); cf. *C.A.* 42, 7981*b*.—Air-dried wood (2 g.) was heated with 10 cc. 10% peracetic acid (I) in a boiling water bath exactly 30 min. after the temp. of the mixt. had reached 75°. The soln. was dild. with 100 cc. H_2O, filtered, and washed successively with 1 l. H_2O at 50° and several portions of Me_2CO-EtOH (1:1), and dried. This technique yielded the following cellulose (percent (II): beech 58.6, oak 51.9, fir 58.6, and pine 55.6. Kinetic studies showed that the reaction between a wood and I was complete within 0.5 hr. and that the resulting II was free from lignin (III). Colorimetric detns. of the phenolic bodies (IV) appearing after varying time intervals in the filtrates from II were made after coupling these with diazotized sulfanilic acid. The method is described fully. P. concludes that IV occur in the form of glycosides and that they are derivs. or components of III. Only 1 type of IV was obtained from beech, whereas 3 different entities were removed from firwood (at different rates). The glycosides could then be hydrolyzed to the sugar and detd. (as glucose) by Bertrand's method. L. E. Wise

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



PROCESSES AND PROPERTIES INDEX

Determination of viscosity of molten aluminium and its alloys. E. V. Polyak and S. V. Sergeev (*Compt. rend. Acad. Sci. U.R.S.S.*, 1941, **30**, 137—139).—Methods of determining the η of Al and Al–Si alloys have been investigated. The method of efflux through a capillary is unsuitable for Al alloys as the capillary is readily blocked with Al_2O_3. A method based on determining the damping of the oscillations of a ball suspended by a steel thread in the molten metal gives reproducible results for both Al and Al–Si alloys. Vals. are given for η for Al and alumin (Si 12·3, Fe 0·44, Mg 0·01%) at various temp. between 600° and 800°. A. J. M.

A.S.M.-S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAK, F.

Aging of synthetic liquid dielectrics. El tech cas 15 no. 9: 572-573 '64.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAK, F., inz.

Electric properties of polyethylene terephthalic foils.
El tech cas 15 no. 6:377-378 '64.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAK, F.

Electrical strength of the fluid epoxide insulation. El tech cas 14 no.2:106-107 '63.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAK, F.

New device for testing the insulating foil resistance to the corona effects. El tech cas 14 no.1:45-46 '63.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAK, Frantisek

Electric strength of transformer oil at a small distance of electrodes. El tech cas 16 no.4:247-249 '65.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAK, F.

Chlorinated diphenyl and possibility of its use in electrical engineering. El tech cas 13 no.5:310-311 '62.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAK, F.; CIERNY, V.

Electric properties of thermo-reactive compounds. p. 313.

ELEKTROTECHNICKY CASOPIS. (Slovenska akademia vied.) Bratislava, Czechoslovakia. Vol. 10, no. 5, 1959.

Monthly list of East European Accessions (EEAI) LC, vol. 9, no. 1, Jan. 1960.

Uncl.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAK, F.

Properties of condensers with - paper dielectric impregnated with synthetic liquid impregnants. El tech cas 16 no.2:121-122 '65.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAK, F.

Electric discharge on the surface of polycrystallitic ceramic masses. p. 272.

SYLAR A KERAMIK. (Ministerstvo lehkeho prumyslu) Praha, Czechoslovakia, Vol. 9, no. 9, Sept. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAK, Frantisek, inz.

Synthetic fluid dielectrics for condensers. Elektrotechnik 19 no.11:314-316 N '64.

1. Slovak Higher School of Technology, Bratislava.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAK, J.

Ionization processes in dielectrics under the influence of direct-current voltage. El tech cas 15 no.1:59-60 • '64.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAK, J.

Morphologic and hydrologic developments in the dolomites of the Dinaric Karst. p. 1.

GEOLOSKI VJESNIK. (Zavod za geoloska istrazivanja Hrvatske i Hrvatsko geolosko drustvo) Zagreb, Yugoslavia. Vol. 11, 1957 (published 1958).

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959

Uncl.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAK, N.

Difficulties with long telephone numbers. p. 391.

SDELOVACI TECHNIKA. (Ministerstvo strojirenstvi) Praha, Czechoslovakia.
Vol. 7, no. 10, Oct. 1959.

Monthly List of East European Accession, (EEAI), LC, Vol. 8, No. 12, Dec. 1959
Uncl.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAK, N.

Relay chains.

P. 542. (SLABOPROUDY OBZOR.) (Praha, Czechoslovakia) Vol. 18, No. 8, Aug. 1957

SO: Monthly Index of East European Accession (EEAI) LC. Vol. 7, No. 5, 1958

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAK, N.

2

1435. RELAY CHAINS. N. Poljak.
Slaboproudý Obzor, Vol. 18, No. 8, 542-5 (1957). In Czech.
Three relay chains are described: (1) a system consisting of 5 relays and capable of recording (or counting) up to 10 pulses; (2) a 5-relay system capable of counting 12 pulses, which can operate as a receiving or a transmitting chain; and (3) a 4-relay counter capable of recording 11 pulses. Functioning of the chains is discussed in some detail and their operation is illustrated by means of appropriate time graphs. R.S.Sidorowicz

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAK, N.

New "System 50" for local automatic telephone exchanges. p. 45.

SLABORPROUDY OBZOR. Praha. Vol. 15, no. 1, Jan. 1954.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March.1956.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAK, N.

TECHNOLOGY

periodicals: SDELOVACI TECHNIKA Vol. 6, no. 9, Sept. 1958

POLJAK, N. Relays, selectors or electron tubes? p. 340.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 5
May 1959, Unclass.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

S/274/63/000/001/020/020
D469/D308

AUTHORS: Poljak, Nikolaj, Zdeněk, Adam and Šrámek, Josef

TITLE: Method of holding telephone repeaters by calls coming from different directions

PERIODICAL: Referativnyy zhurnal, Radiotekhnika i elektrosvyaz', no. 1, 1963, 12, abstract 1V54 P (Czech pat., cl. 21 a^3, 45; 21 a^3, 59/01; 21 a^3 59/10, no. 96043, Jul. 15, 1960)

TEXT: The patented method is for holding telephone repeaters by calls in interurban automatic telephone exchanges. The method is distinguished by the fact that in order to ensure a uniform distribution of incoming calls, the possibility of holding the repeater in previously selected directions is automatically changed according to the state of other repeaters of the same group. A pilot repeater circuit passes through a contact relay whose position depends on the state of all other repeaters included in the given group. 1 figure.

[Abstracter's note: Complete translation]

Card 1/1

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAK, V.

Formation of open blisters on the surface of vertically drawn plate glass, p. 92, SKLAR A KERAMIK (Ministerstvo lehkeho prumyslu) Praha, Vol. 4, No. 4, Apr. 1954

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 5, No. 12, December 1956

POLJAK, VL.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

CZECHOSLOVAKIA / Microbiology. Microbes Pathogenic for Man and Animals. Bacteria. Aerobic Bacteria. F-4

Abs Jour: Ref Zhur-Biol., 1958, No 17, 76793.

Author : Poljak, Vl.
Inst : Not given.
Title : Siberian Anthrax in Eastern Slovakia.

Orig Pub: Veterin. casop., 1957, 6, No 3, 258-262.

Abstract: Siberian anthrax (SA) is endemic in Eastern Slovakia, especially in the southern regions along the rivers where floods occur. For the last 15 years, the number of cases of SA in cattle and of corresponding human cases decreased. In almost all the infected persons, an epidermal form of SA was observed. Treatment with penicillin gave good results. The author considers immunization of people with SA unwise. He proposes to conduct the

Card 1/2

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAK, Vl.; BARDOS, V.

Laboratory infection with the virus of lymphocytic choriomeningitis. Cas. lek. cesk. 97 no.38:1185-1191 19 Sept 58.

1. Infekcni odd. OUNZ Jablonec nad Nisou, prednosta prim. Dr. Vl. Poljak, Ustav mikrobiologie a epidemiologie v Bratislave, vedouci virolog. Odd. Dr. V. Bardos.
(VIRUS DISEASES, case reports
lymphocytic choriomeningitis in virol. laboratory technician (Cz))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAK, VL., Dr.

Case of hemorrhagic nephrosonephritis in Czechoslovakia.
Cas. lek. cesk. 95 no. 10:265-267 9 Mar 56.

Infekcni oddelenik OUNZ Michalovce, prednosta Dr. Vl. Poljak
(EPIDEMIC HEMORRHAGIC FEVER,
case in Czech. (Cz)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAK-BARISIC; LUSTIG, A. ; RYZNAR, S.

Basis of the theory of washing and wetting, and evaluation of properties of detergents made in our country. p. 185, TEKSTIL, Vol, 4, No. 3, Mar. 1955, Beograd.

SOURCE: East European Accessions List (EEAL), Library of Congress, Vol. 4, No. 12, Dec. 1955.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAK-BARISIC, K.

About the problem of the quantitative analysis of tannin in drugs. Bul sc Youg 8 no.3/4:82 Je-Ag'63.

1. Ekonomski fakultet, Zagreb.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

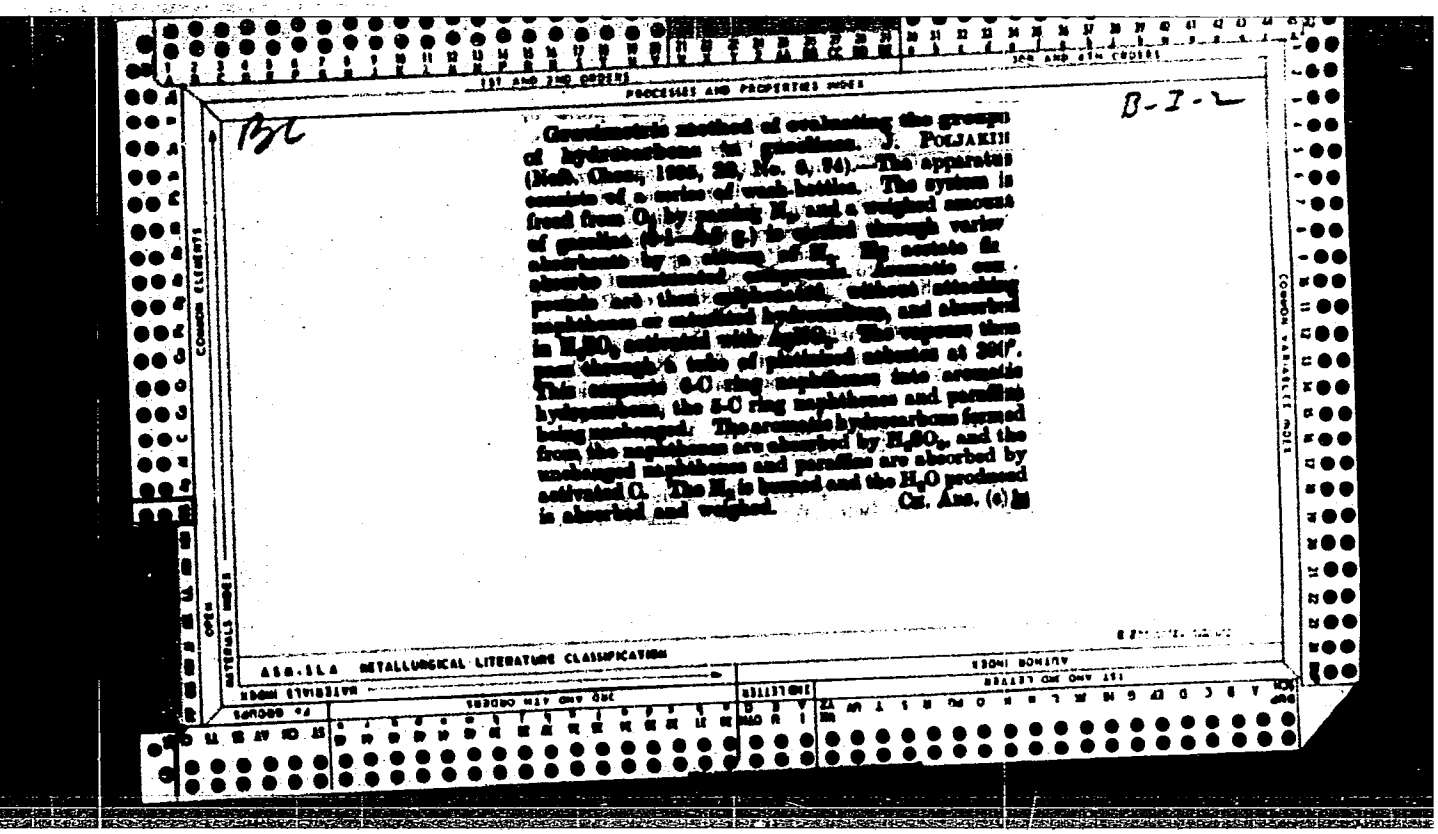
JEFREMOV, D.V.; MESCERJAKOV, M.G.; MINC, A.L.; DZELEPOV, V.P.; IVANOV, P.P.; KAMYSEV, V.S.; KOMAR, J.G.; MALYSEV, I.F.; MONOSZON, N.A.; NEVJAZSKIJ, I.Ch.; POLJAKOV, B.I.; CESTNOJ, A.V.; BENDA, Frantisek [translator]

The six meter synchrocyclotron of the Institute for Research on Nuclear Problems affiliated to the Academy of Sciences of Soviet Union. Jaderna energie 3 no.1:1-4 Ja '57.

1. Ustav jaderne fysiky (for Benda).

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

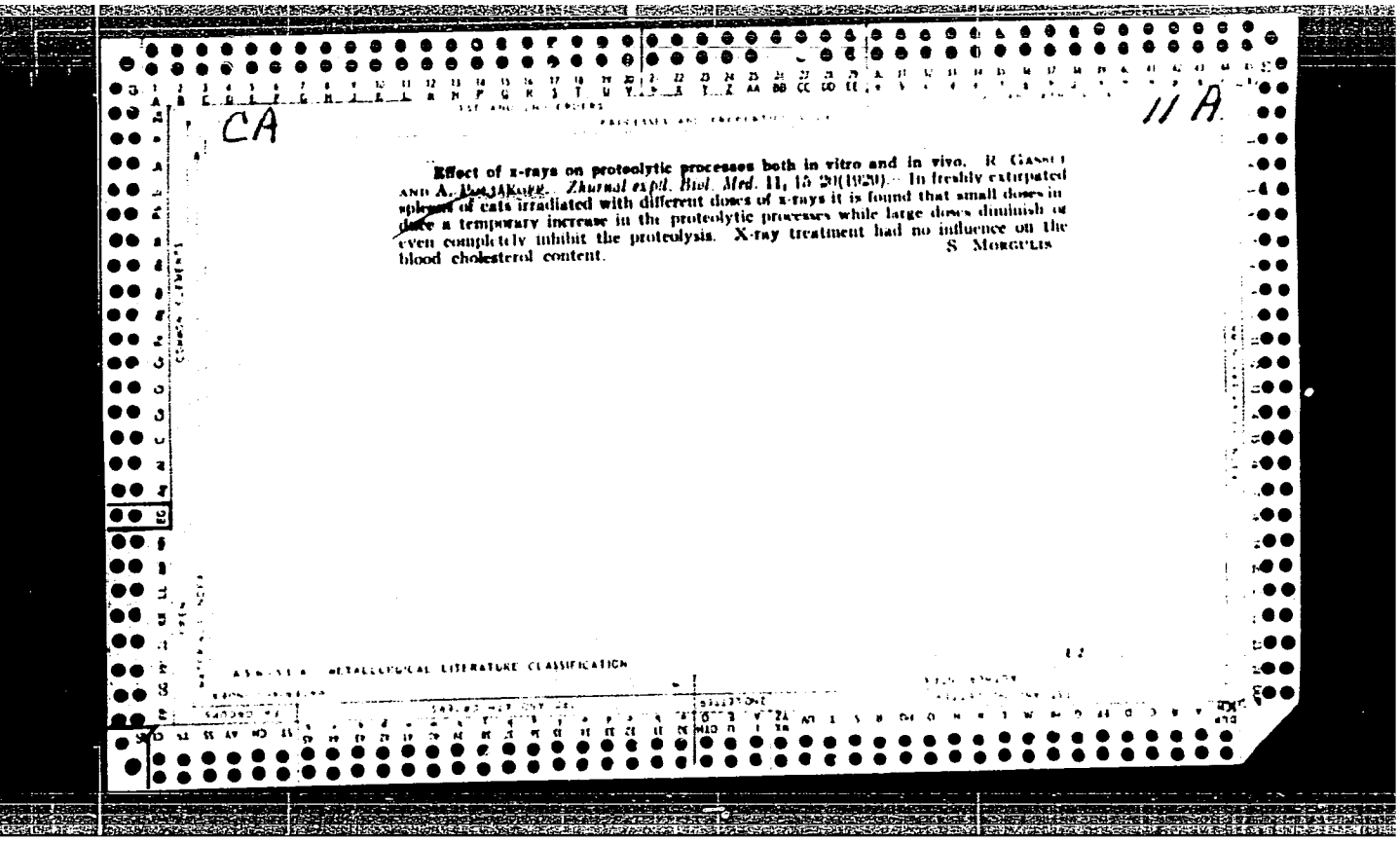
"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



Gravimetric method of evaluating the groups of hydrocarbons in gasolines. J. POLJAKIN (Neft. Chem., 1935, 28, No. 6, 94).—The apparatus consists of a series of wash-bottles. The system is freed from O_2 by passing H_2, and a weighed amount of gasoline (0·1–0·2 g.) is passed through various absorbents by a stream of H_2. The system for absorbs unsaturated compounds, fumaric and picric acid, then sulphuric, without attacking naphthenes or saturated hydrocarbons, and absorbed in H_2SO_4 saturated with Ag_2SO_4. The vapours then pass through a tube of platinised asbestos at 300°. This converts 6-C ring naphthenes into aromatic hydrocarbons, the 5-C ring naphthenes and paraffins being unchanged. The aromatic hydrocarbons formed from the naphthenes are absorbed by H_2SO_4, and the unchanged naphthenes and paraffins are absorbed by activated C. The H_2 is burned and the H_2O produced is absorbed and weighed. Cf. Ans. (c) [illegible]

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



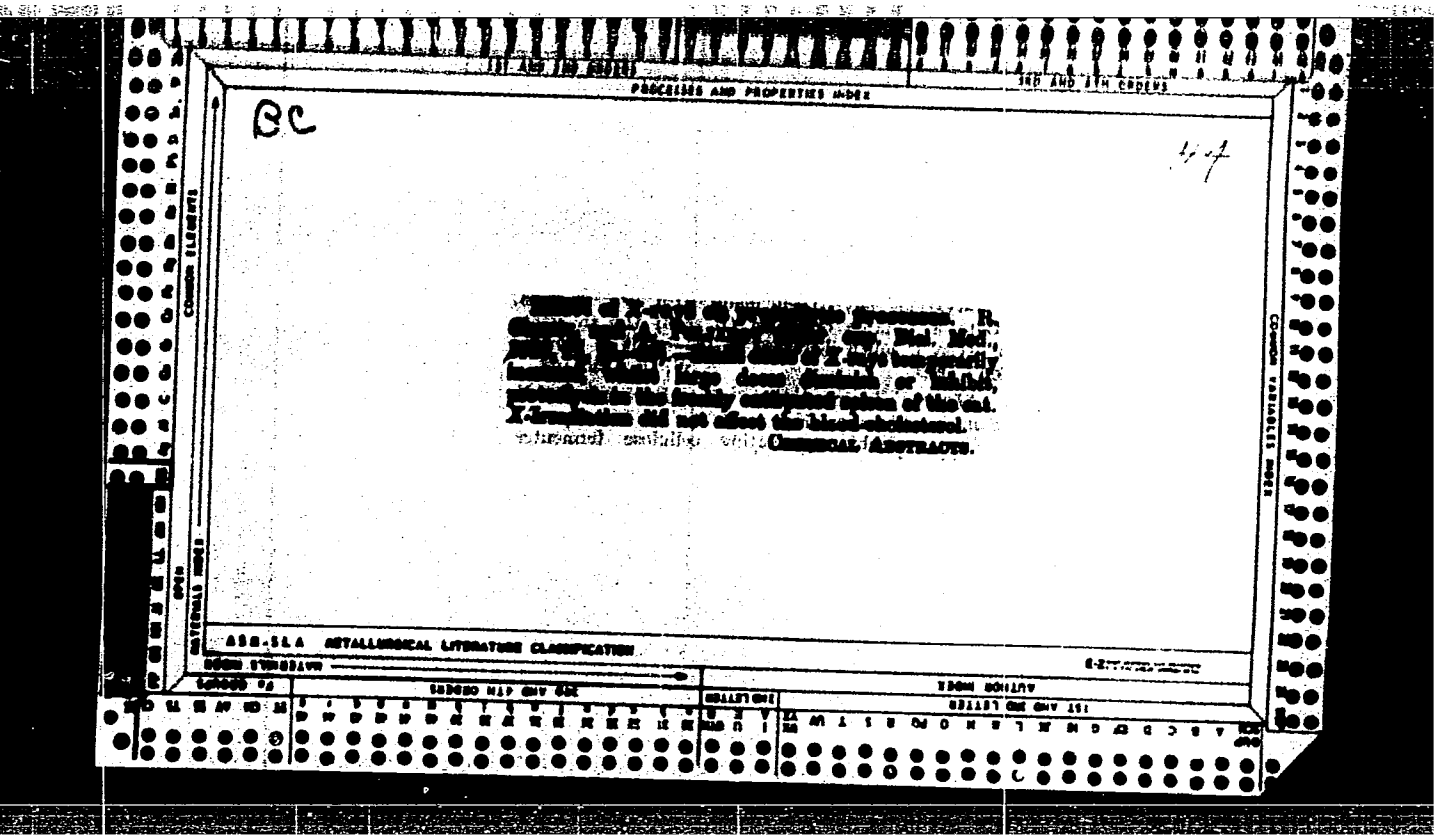
CA

11 A

Effect of x-rays on proteolytic processes both in vitro and in vivo. R. Gassul and A. Jost. *Zhurnal exptl. Biol. Med.* 11, 15-20(1929).—In freshly extirpated spleens of cats irradiated with different doses of x-rays it is found that small doses induce a temporary increase in the proteolytic processes while large doses diminish or even completely inhibit the proteolysis. X-ray treatment had no influence on the blood cholesterol content. S. Morgulis

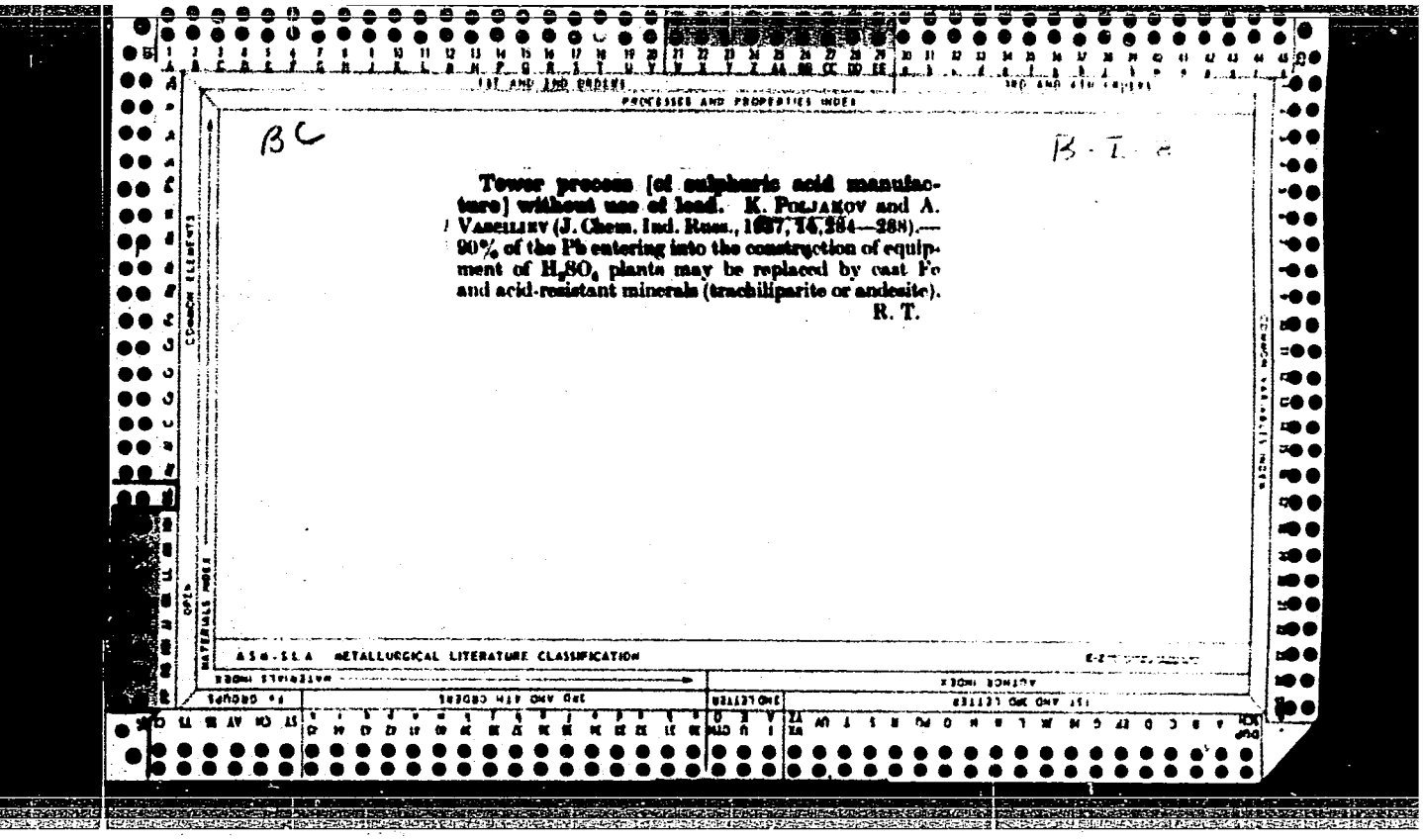
APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



BC

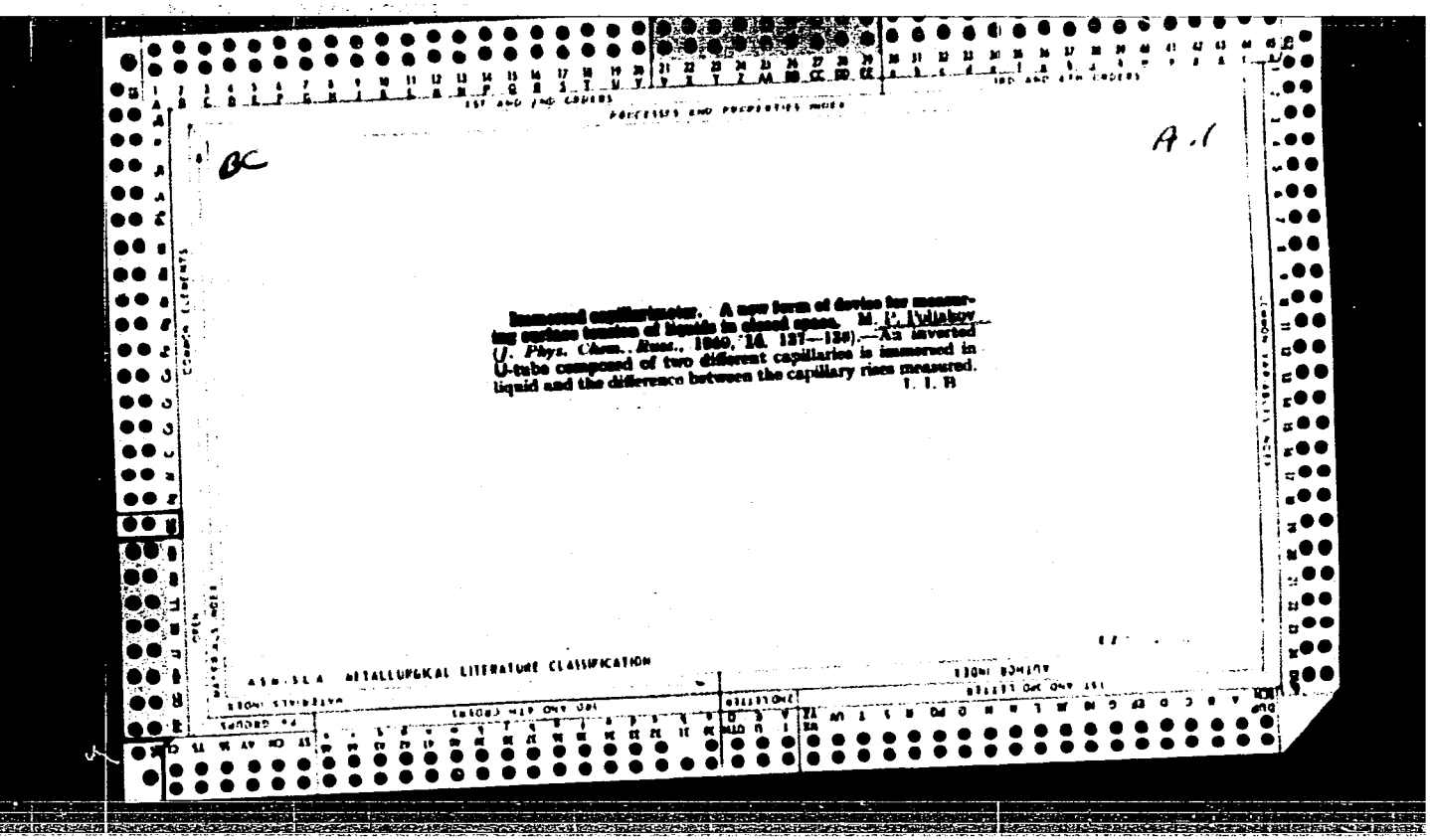
B-T-a

Tower process [of sulphuric acid manufacture] without use of lead. K. POLJAKOV and A. VASILIEV (J. Chem. Ind. Russ., 1937, 14, 284—288).—90% of the Pb entering into the construction of equipment of H_2SO_4 plants may be replaced by cast Fe and acid-resistant minerals (trachiliparite or andesite).

R. T.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



BC

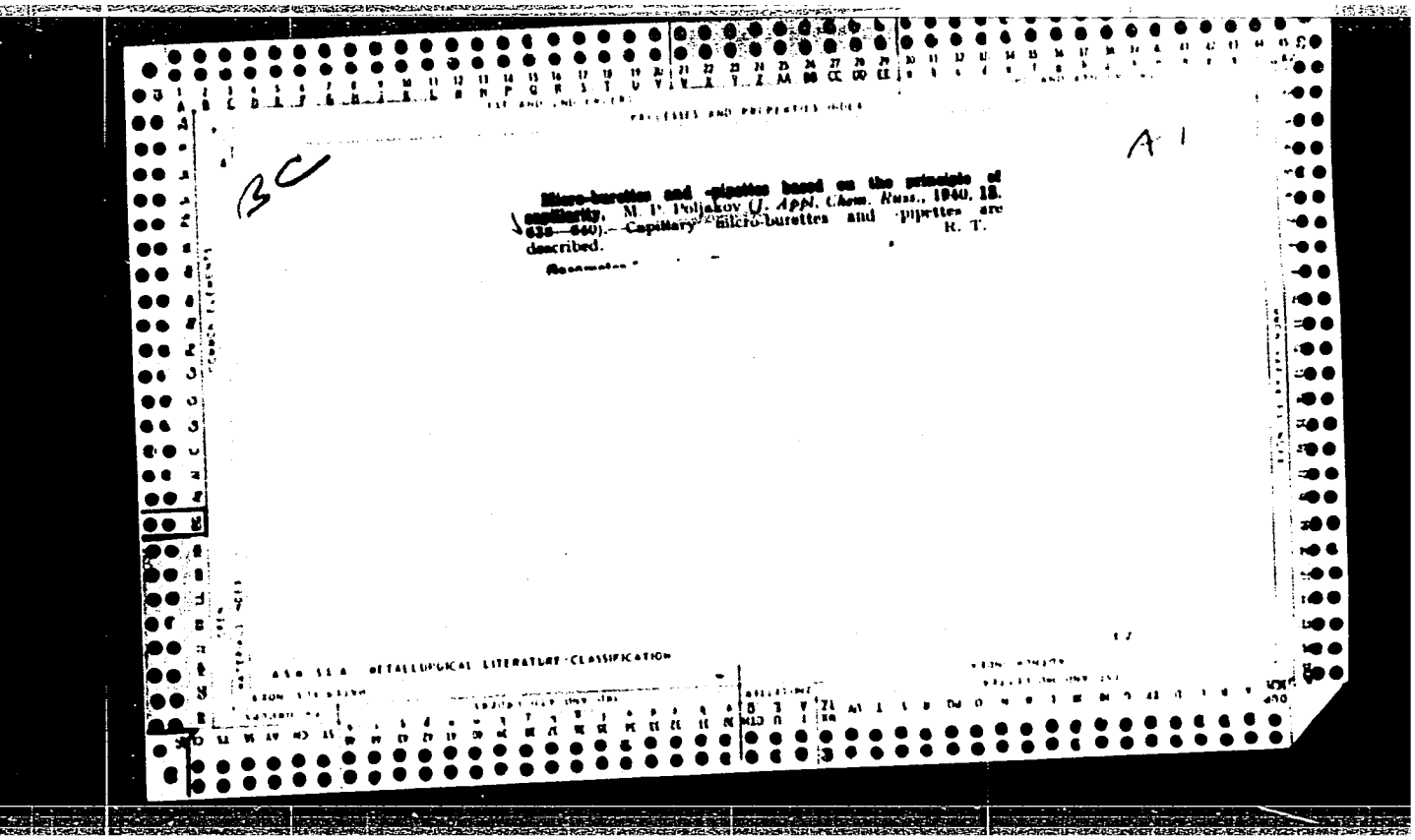
A.1

Immersed capillarimeter. A new form of device for measuring surface tension of liquids in closed space. M. P. Vukalovich. *U. Phys. Chem., Russ.*, 1940, 14, 137—139).—An inverted U-tube composed of two different capillaries is immersed in liquid and the difference between the capillary rises measured. T. I. B

A.S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

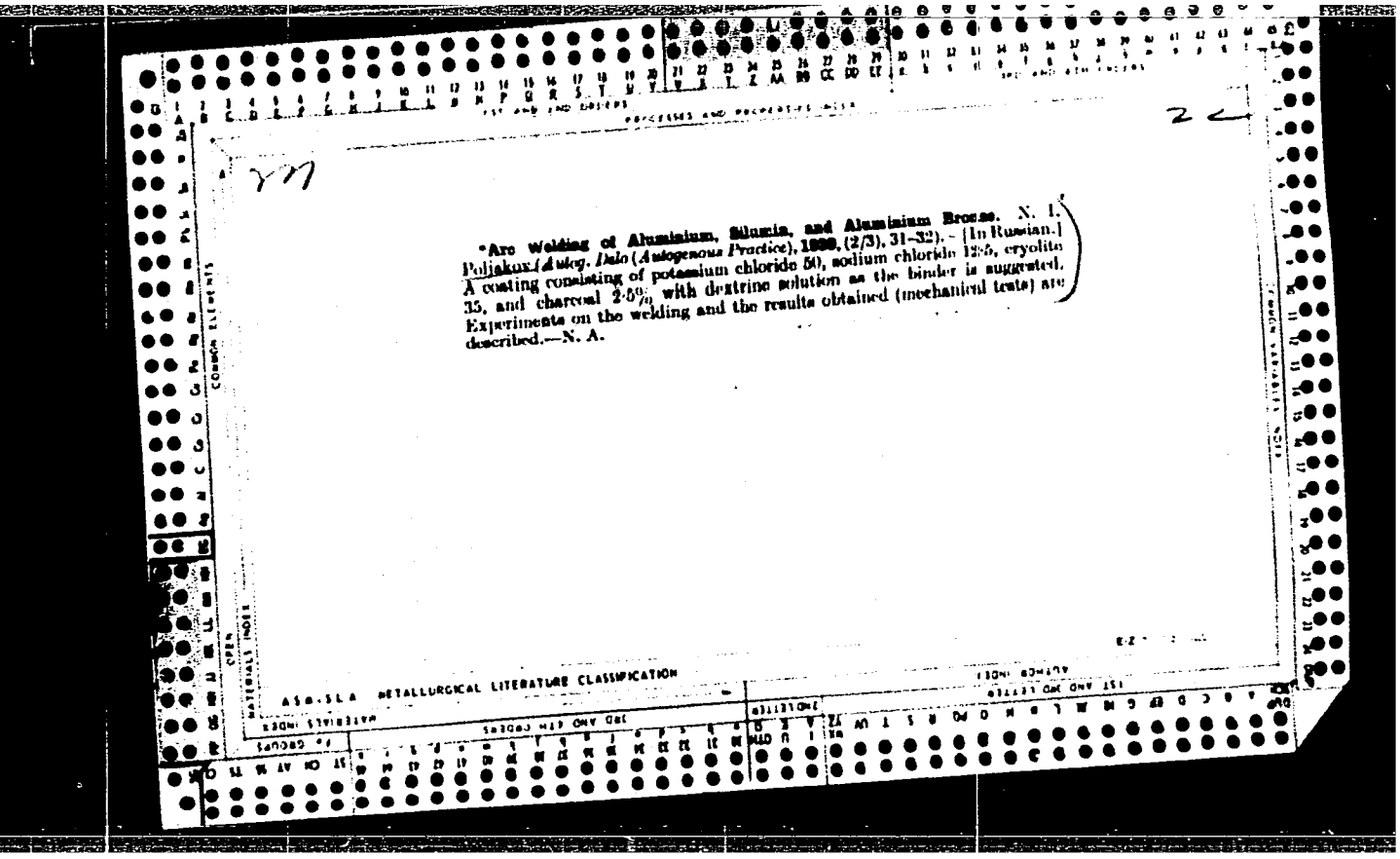
"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



Micro-burettes and -pipettes based on the principle of capillarity. M. P. Poljakov. *U. Appl. Chem. Russ.*, 1940, 13, 635—640).—Capillary micro-burettes and -pipettes are described. R. T.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

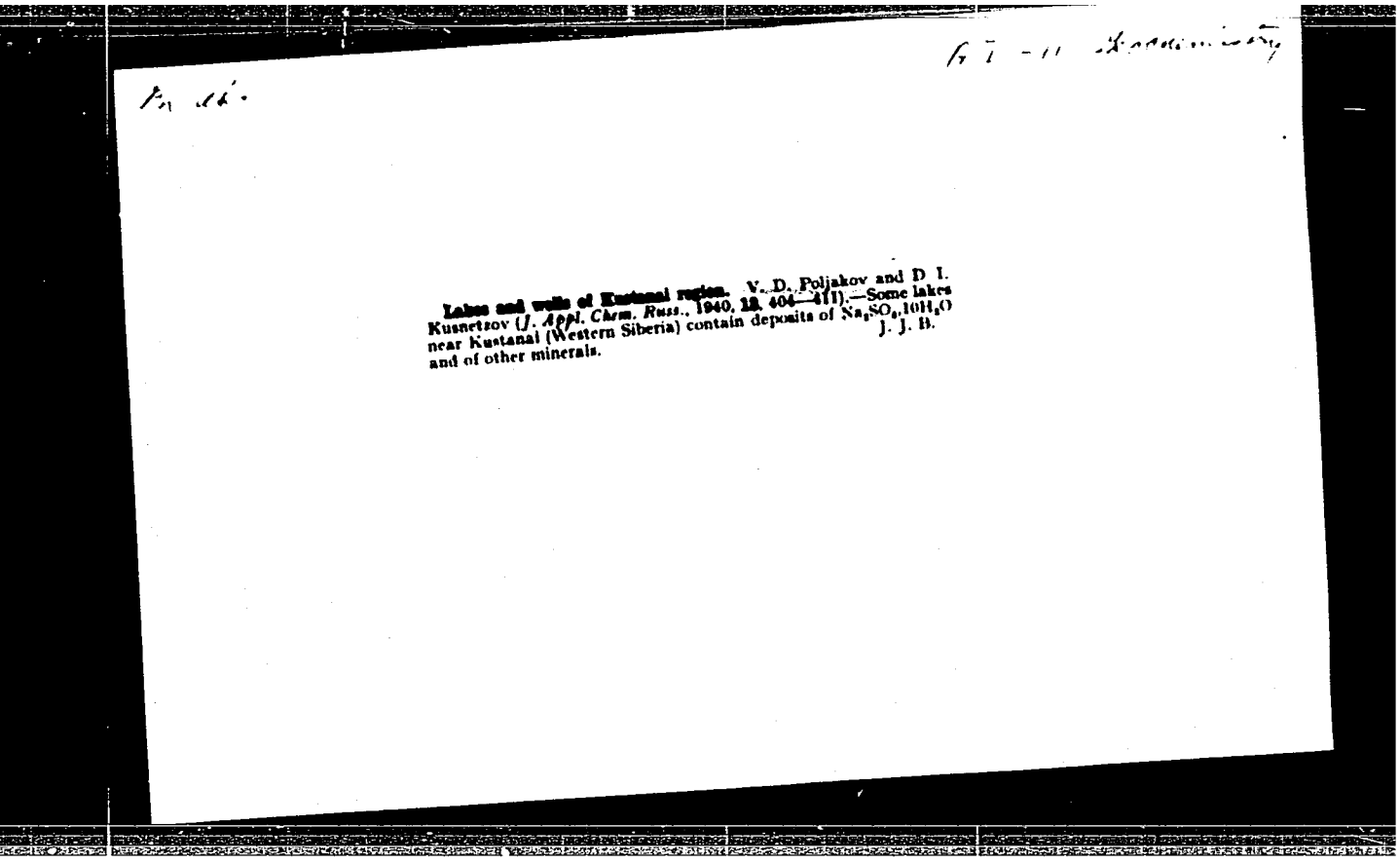
"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



"**Arc Welding of Aluminium, Silumin, and Aluminium Bronze.** N. I. Poljakov. (*Avtog. Delo* (*Autogenous Practice*), **1939**, (2/3), 31–32). – [In Russian.] A coating consisting of potassium chloride 50, sodium chloride 12·5, cryolite 35, and charcoal 2·5% with dextrine solution as the binder is suggested. Experiments on the welding and the results obtained (mechanical tests) are described.—N. A.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

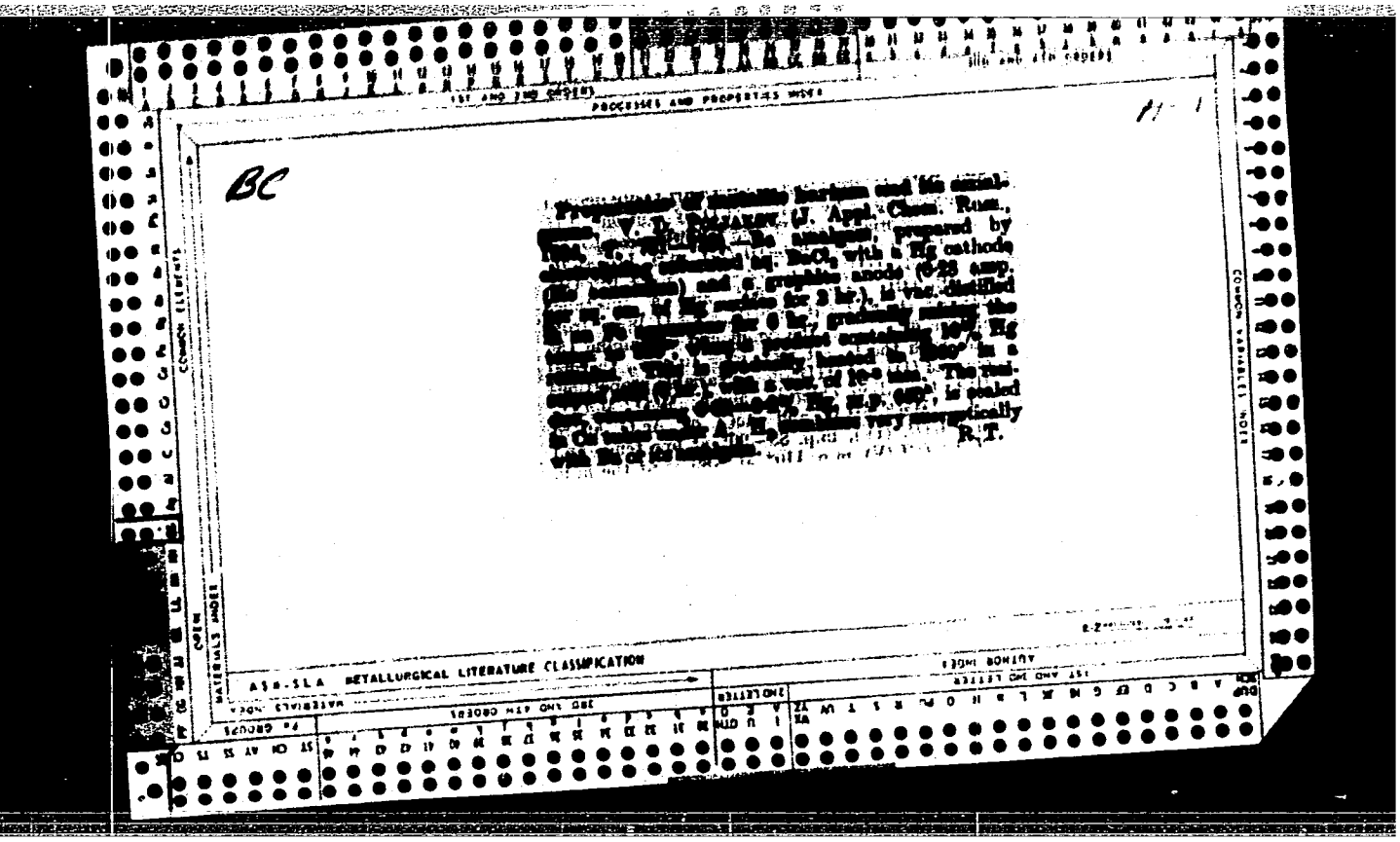
"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



Lakes and salts of Kustanai region. V. D. Poljakov and D. I. Kusnetzov (*J. Appl. Chem. Russ.*, 1940, **13**, 404—411).—Some lakes near Kustanai (Western Siberia) contain deposits of $Na_2SO_4.10H_2O$ and of other minerals. J. J. B.

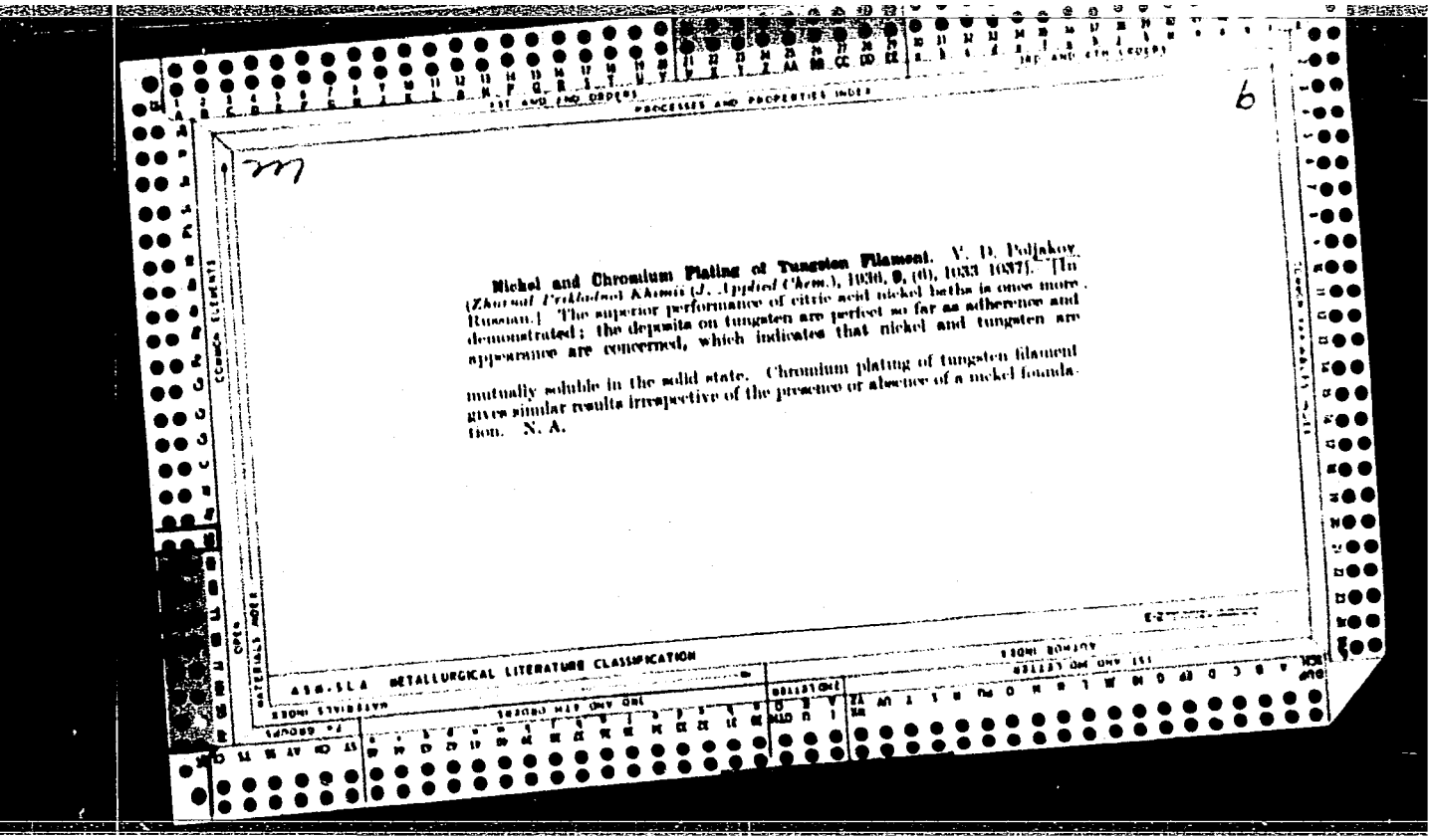
APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

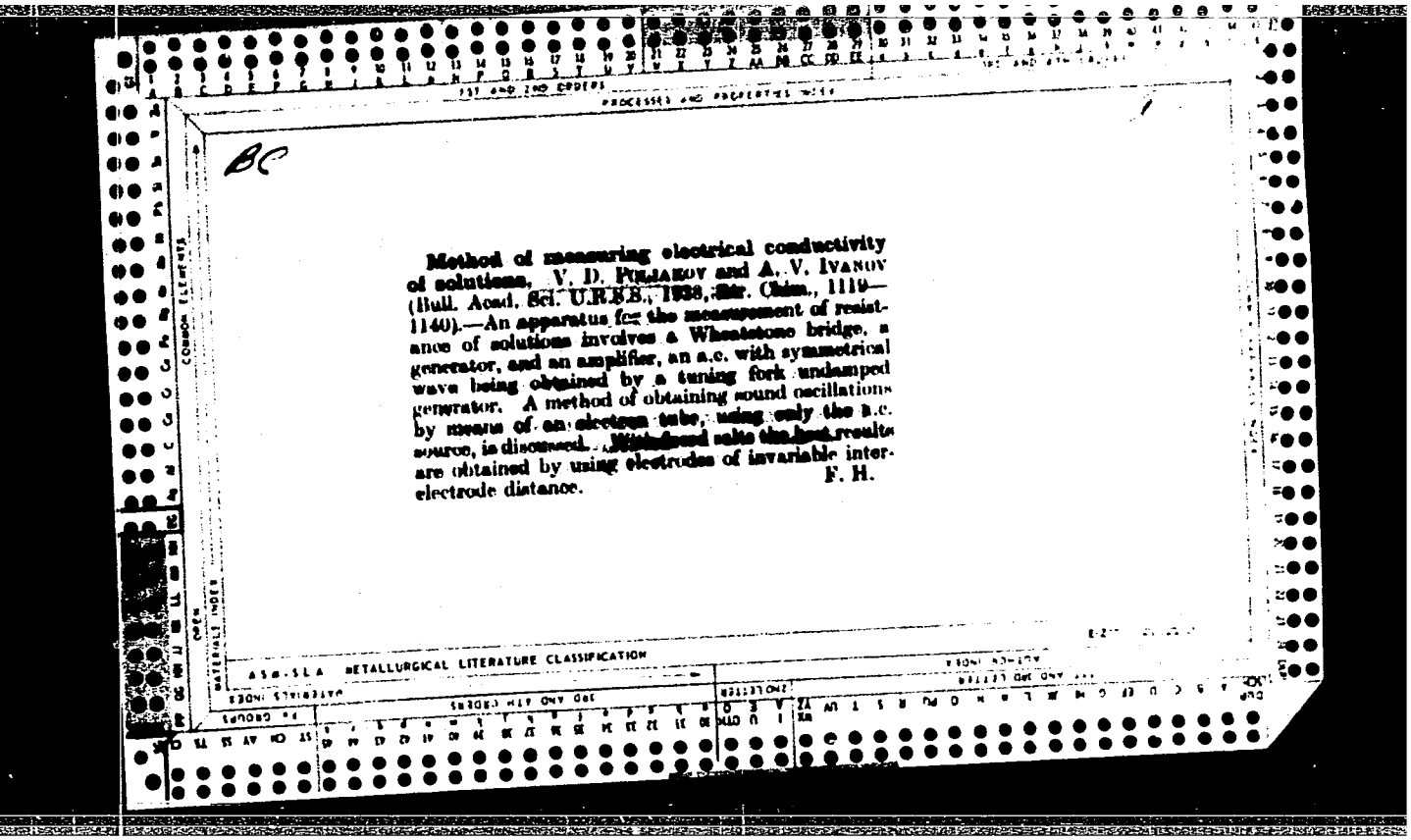
"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



Nickel and Chromium Plating of Tungsten Filament. V. D. Poljakov. (*Zhurnal Prikladnoi Khimii (J. Applied Chem.)*, 1930, **3**, (6), 1033–1037). [In Russian.] The superior performance of citric acid nickel baths is once more demonstrated; the deposits on tungsten are perfect so far as adherence and appearance are concerned, which indicates that nickel and tungsten are mutually soluble in the solid state. Chromium plating of tungsten filament gives similar results irrespective of the presence or absence of a nickel foundation. N. A.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

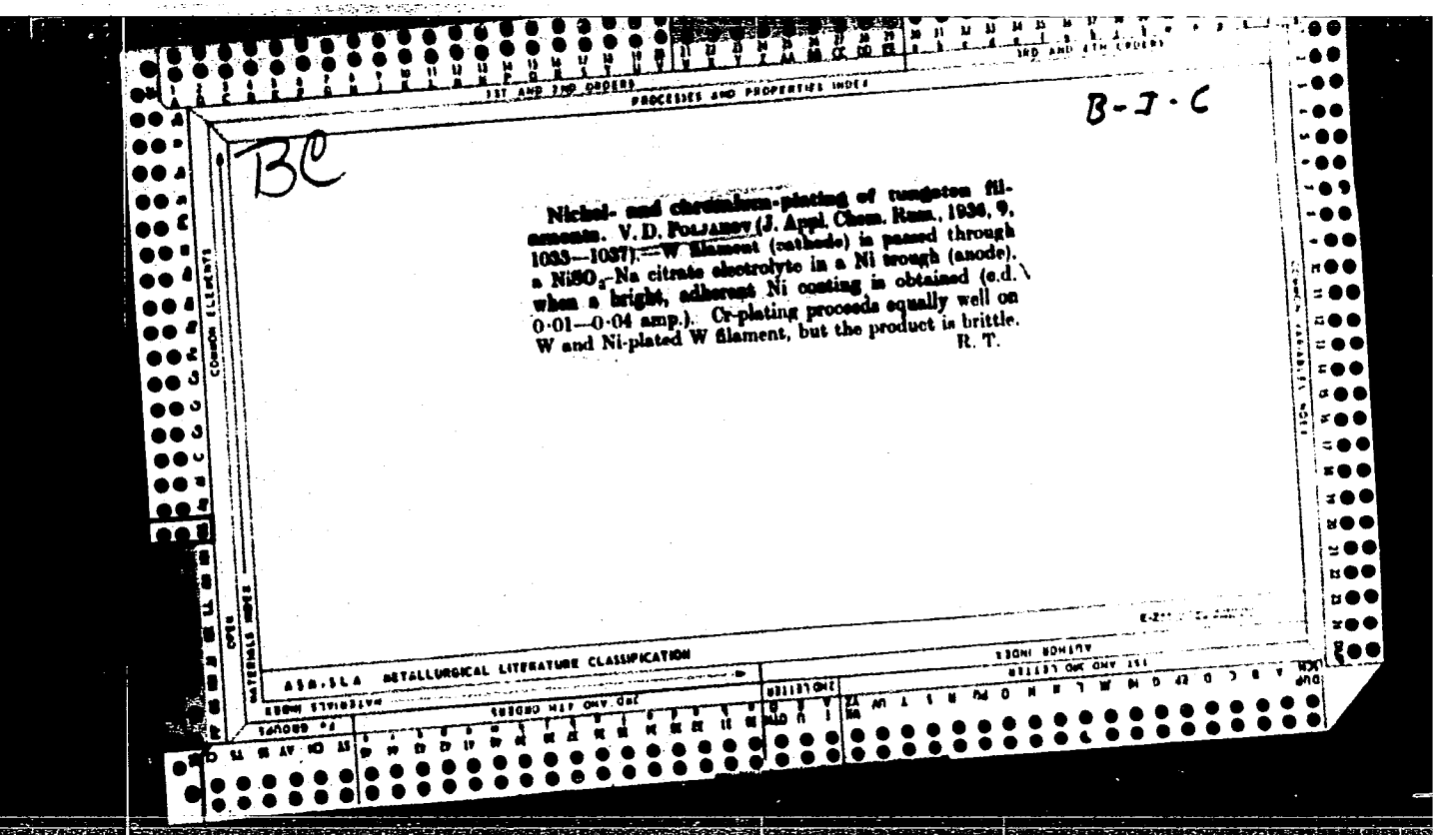


BC

Method of measuring electrical conductivity of solutions. V. D. PELIAKOV and A. V. IVANOV (Bull. Acad. Sci. U.R.S.S., 1938, Sér. Chim., 1119—1140).—An apparatus for the measurement of resistance of solutions involves a Wheatstone bridge, a generator, and an amplifier, an a.c. with symmetrical wave being obtained by a tuning fork undamped generator. A method of obtaining sound oscillations by means of an electron tube, using only the a.c. source, is discussed. Platinised salts the best results are obtained by using electrodes of invariable inter-electrode distance. F. H.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



B-I-C

BC

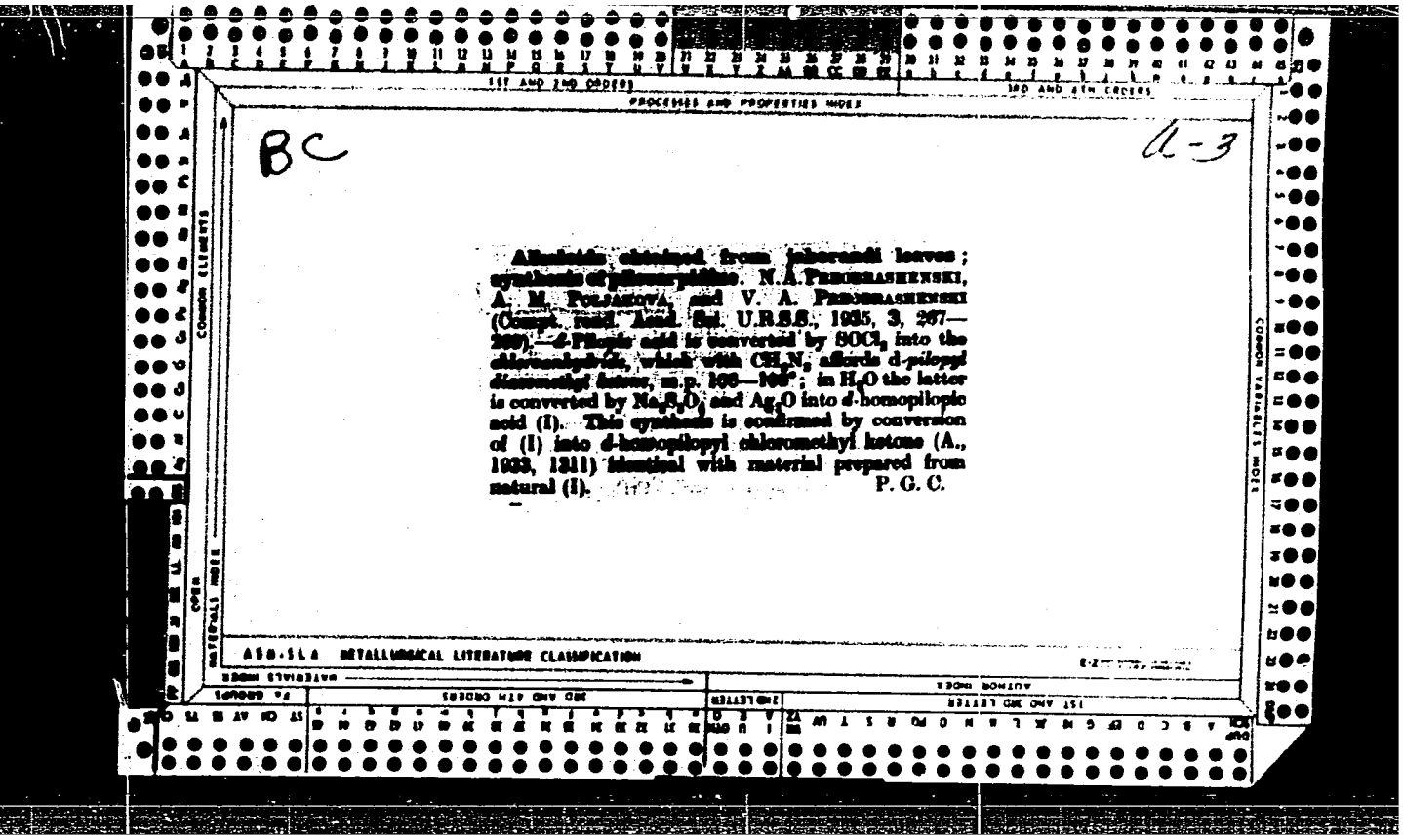
Nickel- and chromium-plating of tungsten filaments. V. D. Pollakov (*J. Appl. Chem. Russ.*, 1936, **9**, 1033—1037).—W filament (cathode) is passed through a $NiSO_4$–Na citrate electrolyte in a Ni trough (anode), when a bright, adherent Ni coating is obtained (c.d. 0·01—0·04 amp.). Cr-plating proceeds equally well on W and Ni-plated W filament, but the product is brittle.

R. T.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



BC

d-3

Alkaloids obtained from *pilocarpi* leaves; synthesis of pilocarpidine. N. A. PREOBRASHENSKI, A. M. POLYAKOVA, and V. A. PREOBRASHENSKI (Compt. rend. Acad. Sci. U.R.S.S., 1935, 3, 267—269).—*d*-Pilopic acid is converted by $SOCl_2$ into the chloroanhydride, which with CH_2N_2 affords *d*-*pilocopyl diazomethyl ketone*, m.p. 105—106°; in H_2O the latter is converted by $Na_2S_2O_3$ and Ag_2O into *d*-homopilopic acid (I). This synthesis is confirmed by conversion of (I) into *d*-homopilocopyl chloromethyl ketone (A., 1933, 1311) identical with material prepared from natural (I). P. G. C.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAKOVA, A.M.,
I. F. VERESCHTSCHAGIN, IAN/OKhN, 1945, 469-479.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

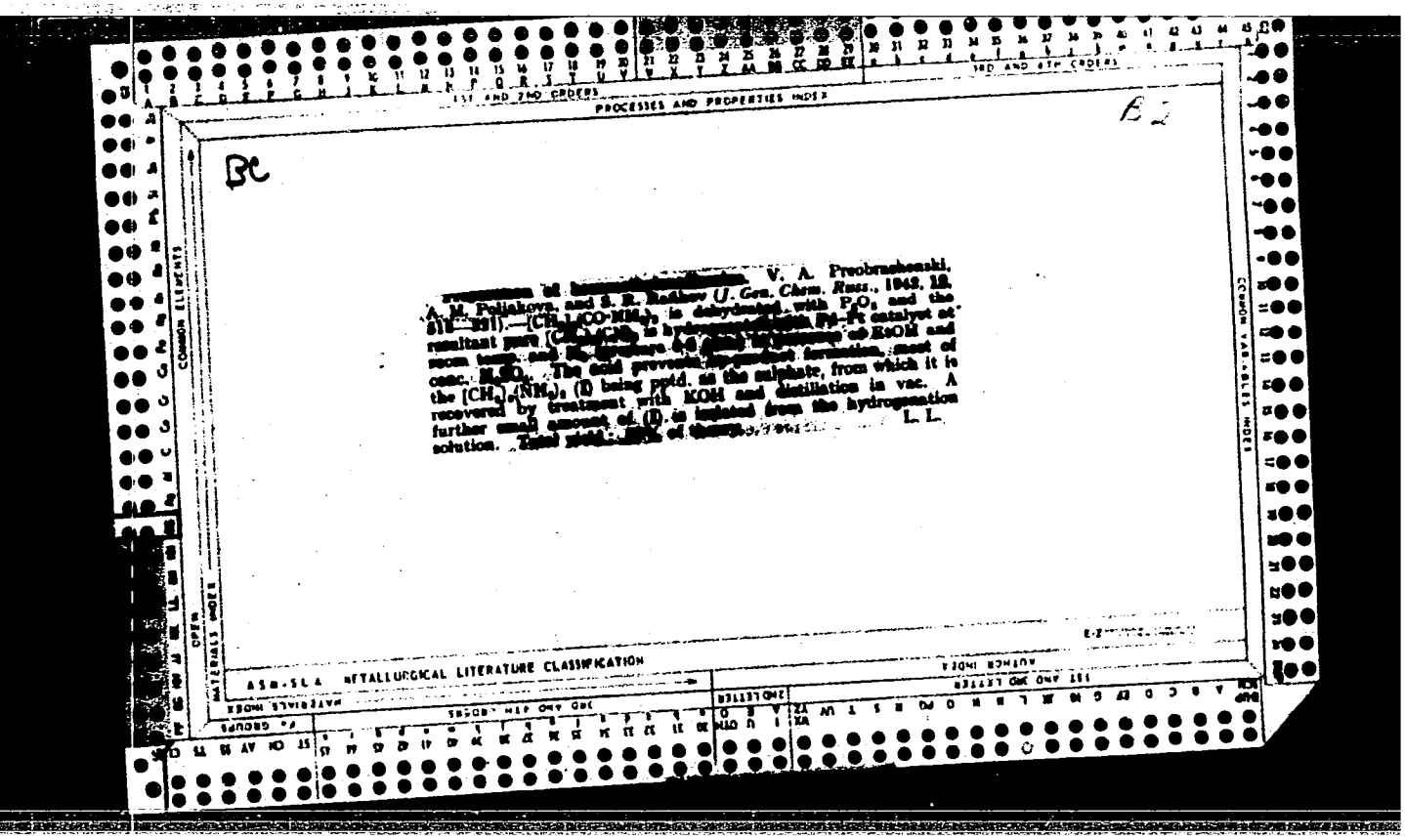
POLJAKOVA, A. M.

"Synthese de l'alcaloide pilozinine." Poljakova, A. M.; Poljakova, V. A.; Preobrazenskij, N. A. (p. 1402)

SO: Journal of General Chemistry
(Zhurnal Obshchei Khimii) 1939, Volume 9, #15

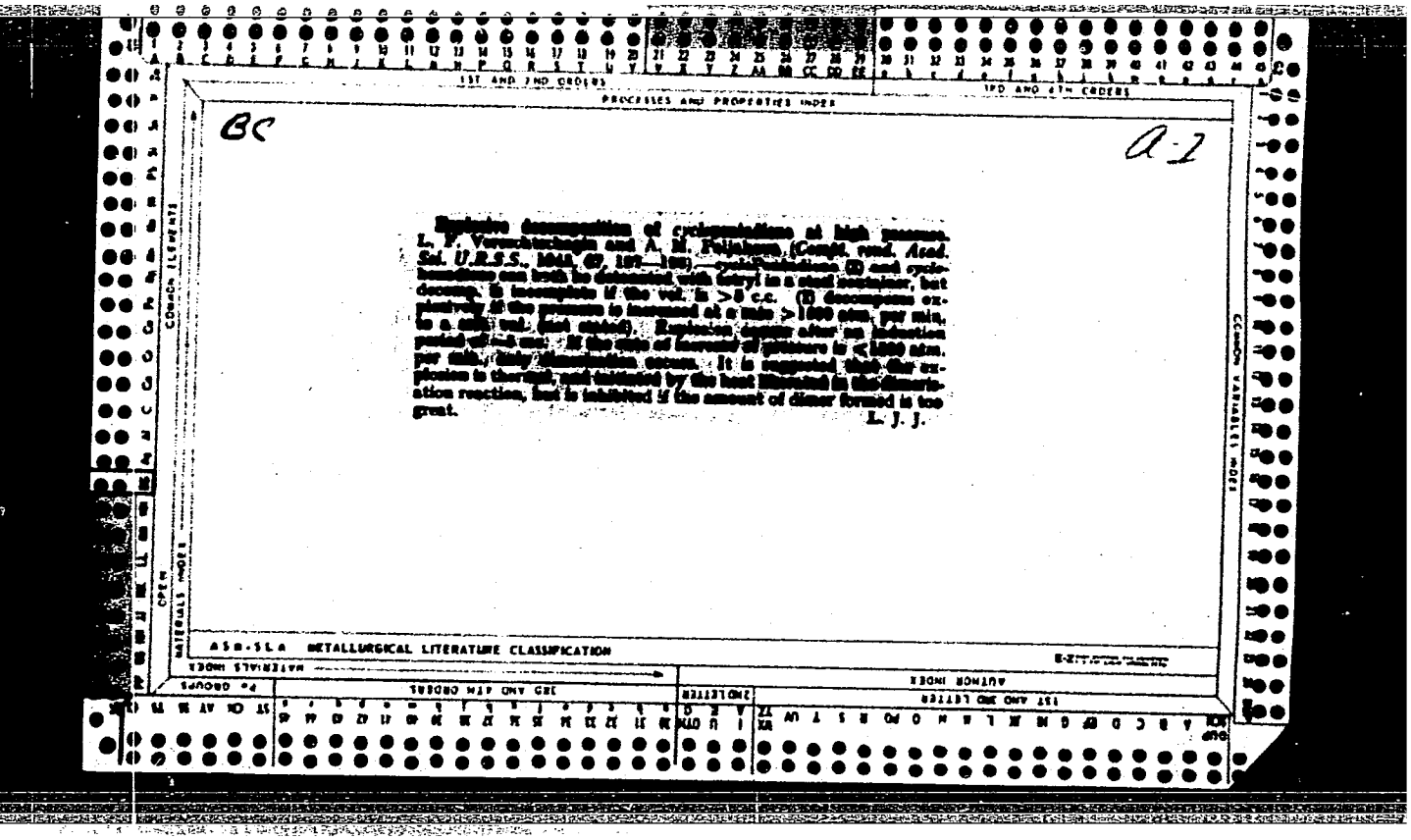
APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



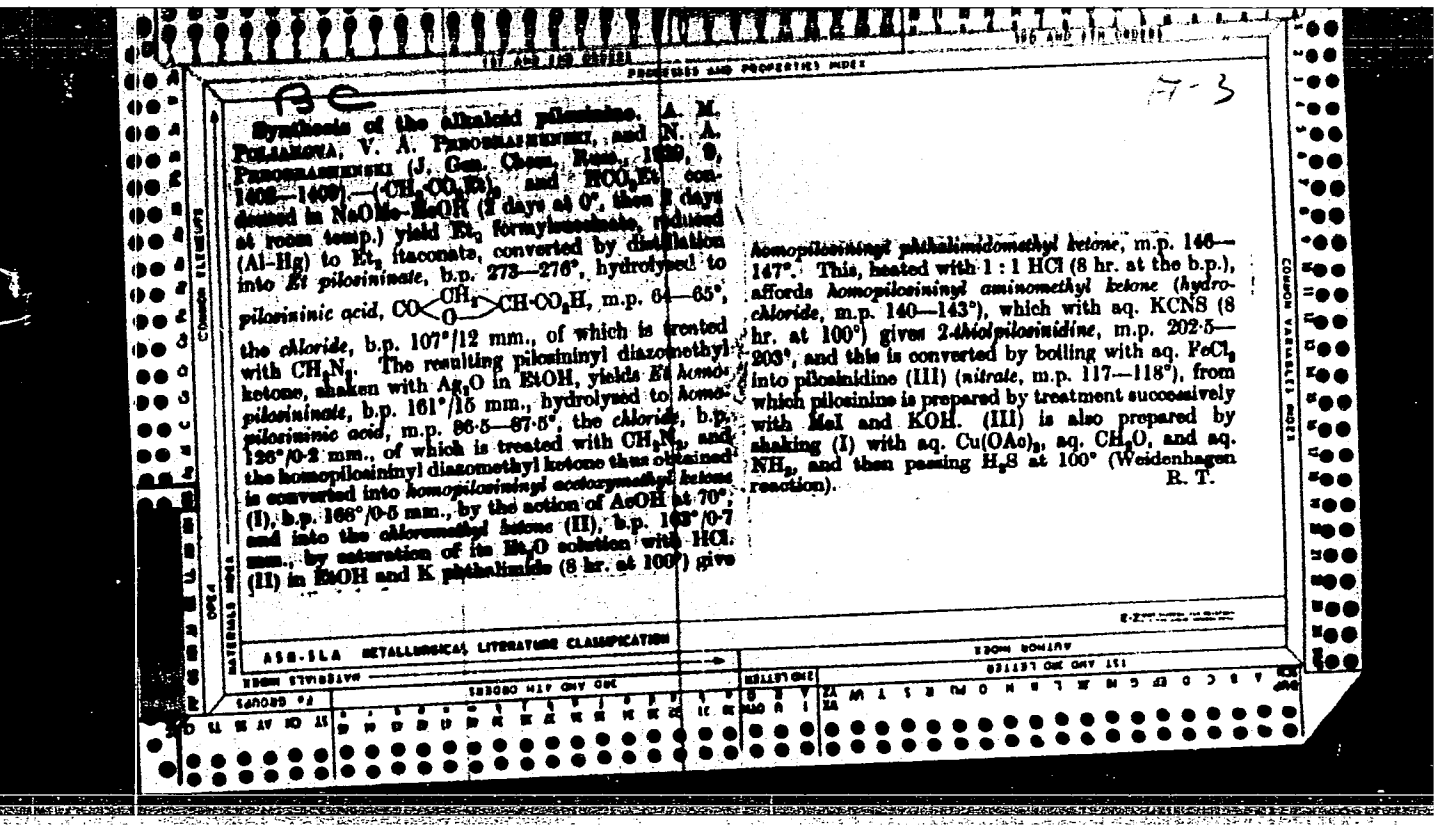
APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

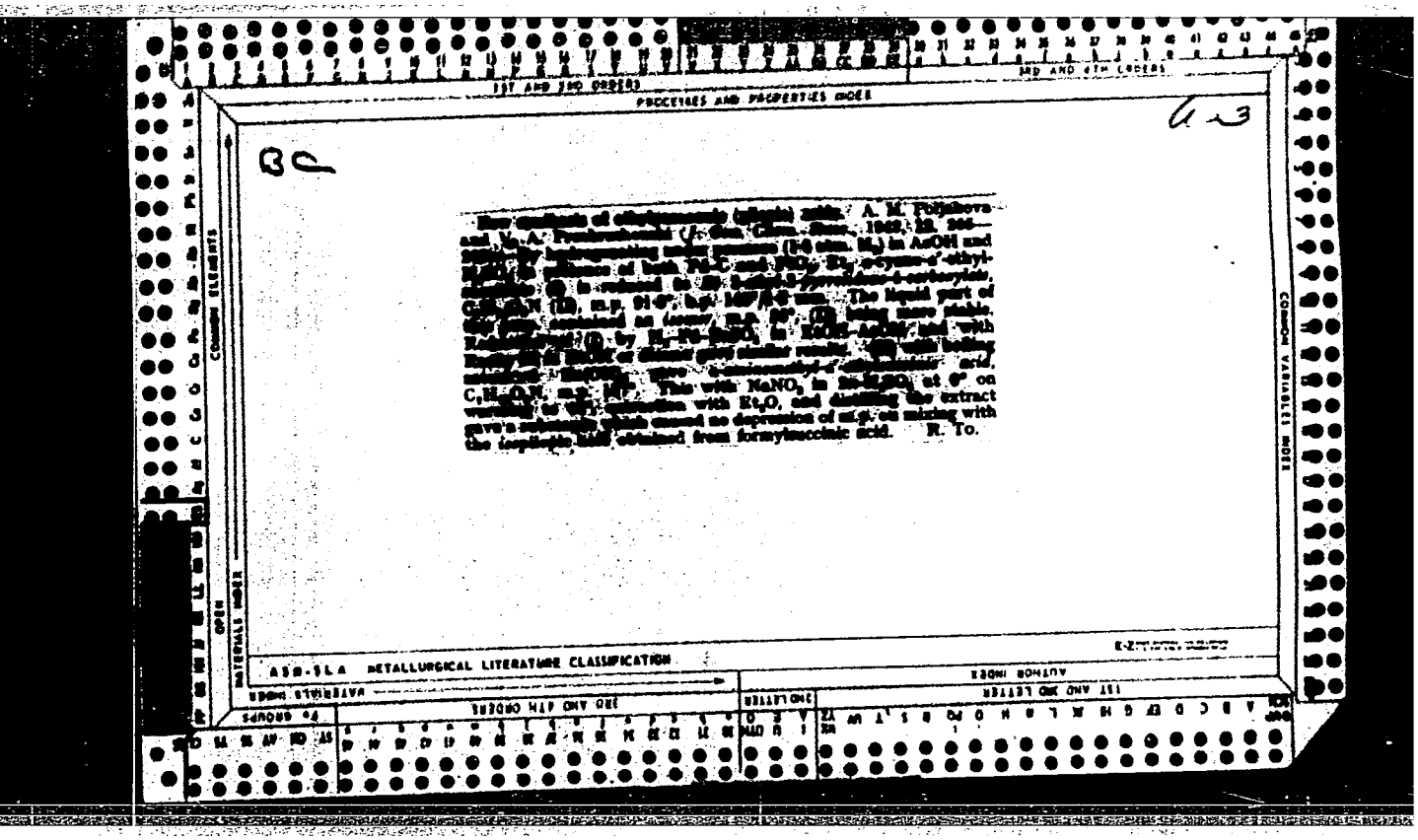


Synthesis of the alkaloid pilosinine. A. M. Pelekhova, V. A. Petrosyanenkii, and N. A. Preobrazhenskii (J. Gen. Chem., Russ., 1939, 9, 1402—1409).—$(CH_2{\cdot}CO_2Et)_2$ and HCO_2Et condensed in NaOMe–MeOH (7 days at 0°, then 2 days at room temp.) yield Et_2 formylsuccinate, reduced (Al–Hg) to Et_2 itaconate, converted by distillation into *Et pilosininate*, b.p. 273—276°, hydrolysed to *pilosininic acid*, $CO<\begin{matrix}CH_2\\O\end{matrix}>CH{\cdot}CO_2H$, m.p. 64—65°, the *chloride*, b.p. 107°/12 mm., of which is treated with CH_2N_2. The resulting pilosininyl diazomethyl ketone, shaken with Ag_2O in EtOH, yields *Et homopilosininate*, b.p. 161°/15 mm., hydrolysed to *homopilosininic acid*, m.p. 86·5—87·5°, the *chloride*, b.p. 126°/0·2 mm., of which is treated with CH_2N_2, and the homopilosininyl diazomethyl ketone thus obtained is converted into *homopilosininyl acetoxymethyl ketone* (I), b.p. 166°/0·5 mm., by the action of AcOH at 70°, and into the *chloromethyl ketone* (II), b.p. 163°/0·7 mm., by saturation of its Et_2O solution with HCl. (II) in EtOH and K phthalimide (8 hr. at 100°) give *homopilosininyl phthalimidomethyl ketone*, m.p. 146—147°. This, heated with 1 : 1 HCl (8 hr. at the b.p.), affords *homopilosininyl aminomethyl ketone* (*hydrochloride*, m.p. 140—143°), which with aq. KCNS (8 hr. at 100°) gives *2-thiolpilosinidine*, m.p. 202·5—203°, and this is converted by boiling with aq. $FeCl_3$ into pilosinidine (III) (*nitrate*, m.p. 117—118°), from which pilosinine is prepared by treatment successively with MeI and KOH. (III) is also prepared by shaking (I) with aq. $Cu(OAc)_2$, aq. CH_2O, and aq. NH_3, and then passing H_2S at 100° (Weidenhagen reaction).

R. T.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

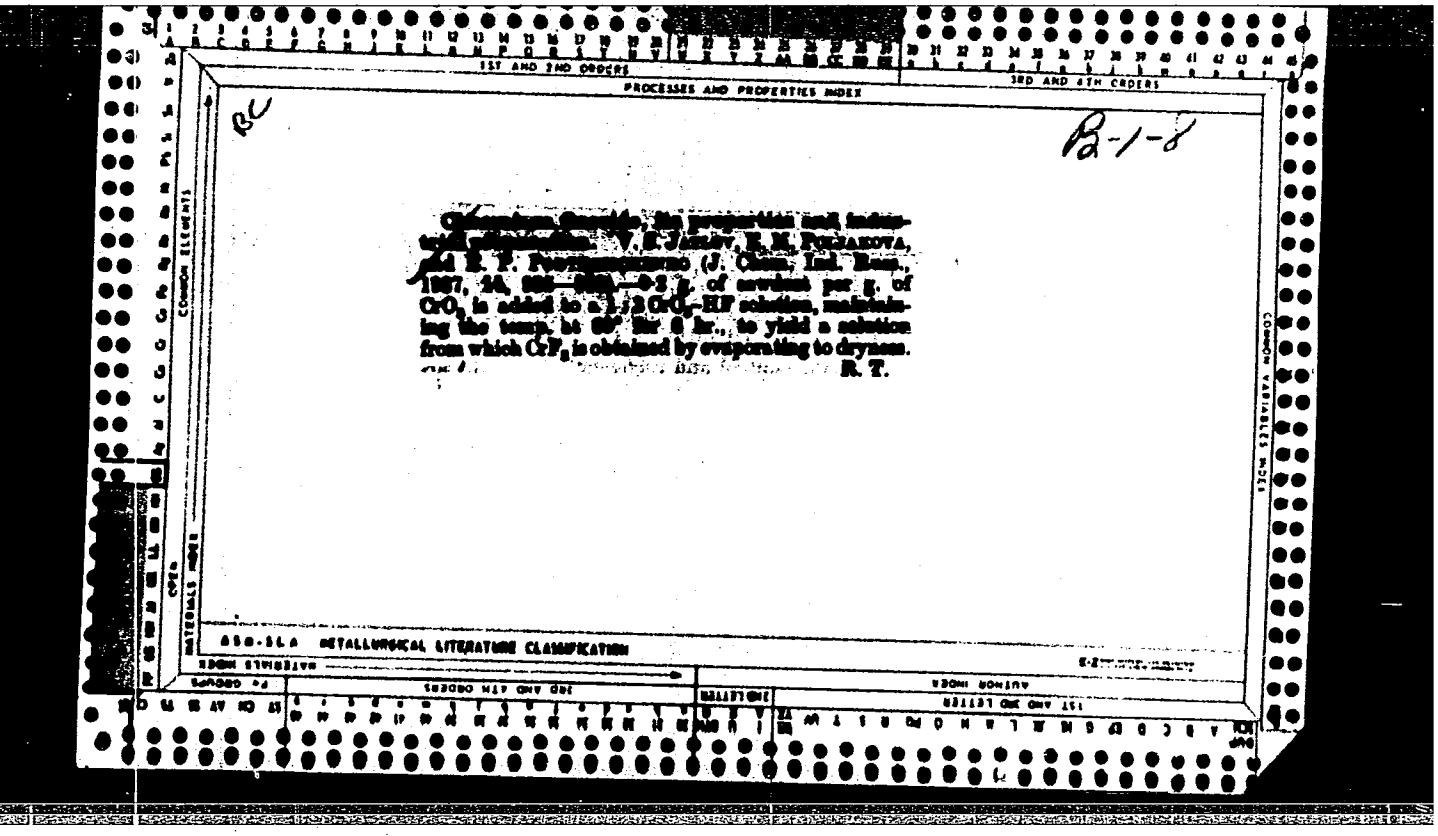
POLJAKOVA, E. M.

"Equilibre dans les systemes KF--H_2O et KHF_2--H_2O". V. S. Jatlov et E. M. Poljakova. (p. 776)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1938, Vol. 8, No. 8

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

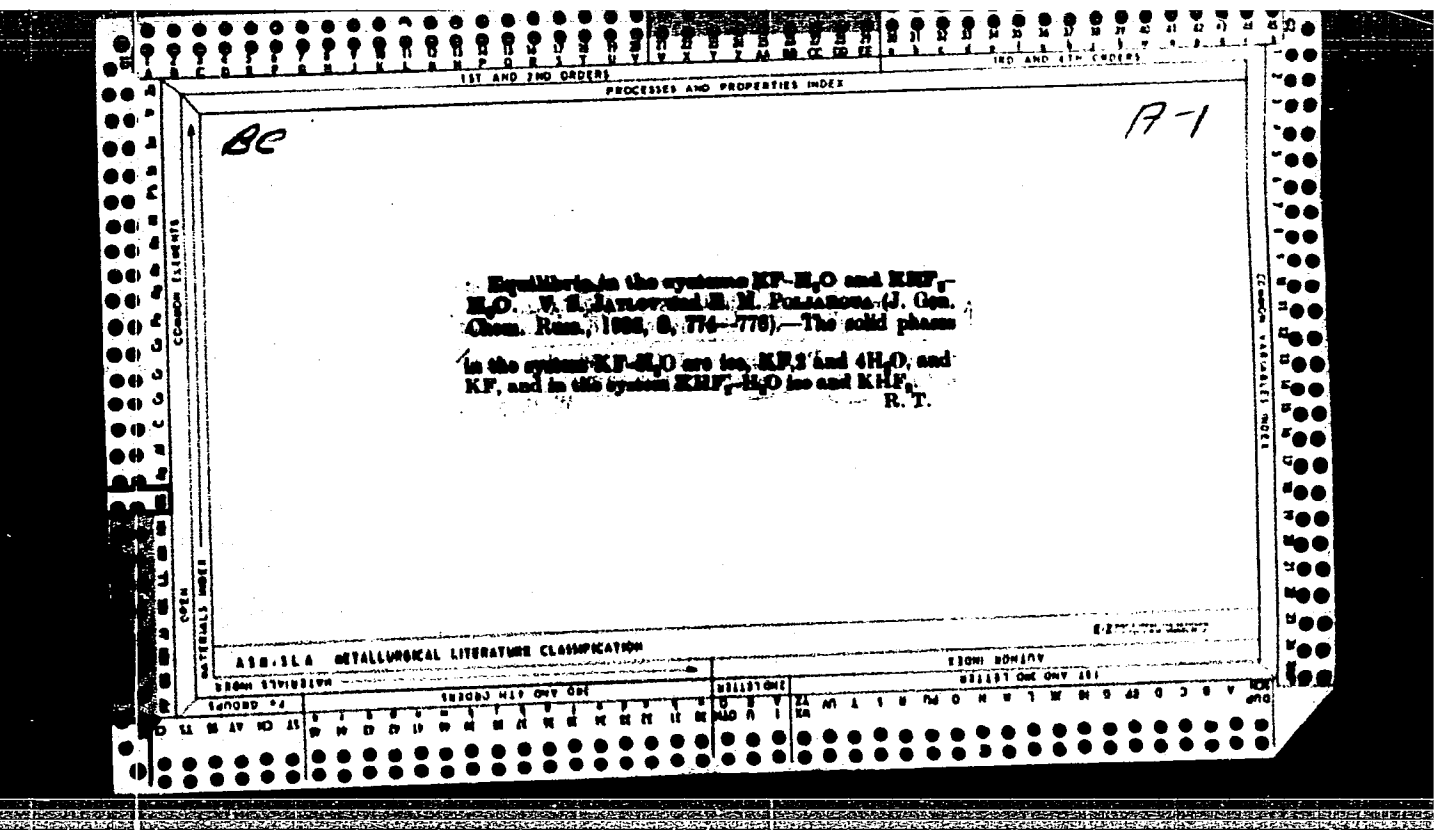
"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



Chromium fluoride, its preparation and industrial application. V. E. Jasaev, E. M. Pozharova, and E. F. Povarnitsyna (J. Chem. Ind. Russ., 1937, 14, 332—339).—0·2 g. of ammonium per g. of CrO_3 is added to a 1:2 CrO_3–HF solution, maintaining the temp. at 60° for 6 hr., to yield a solution from which CrF_3 is obtained by evaporating to dryness. R. T.

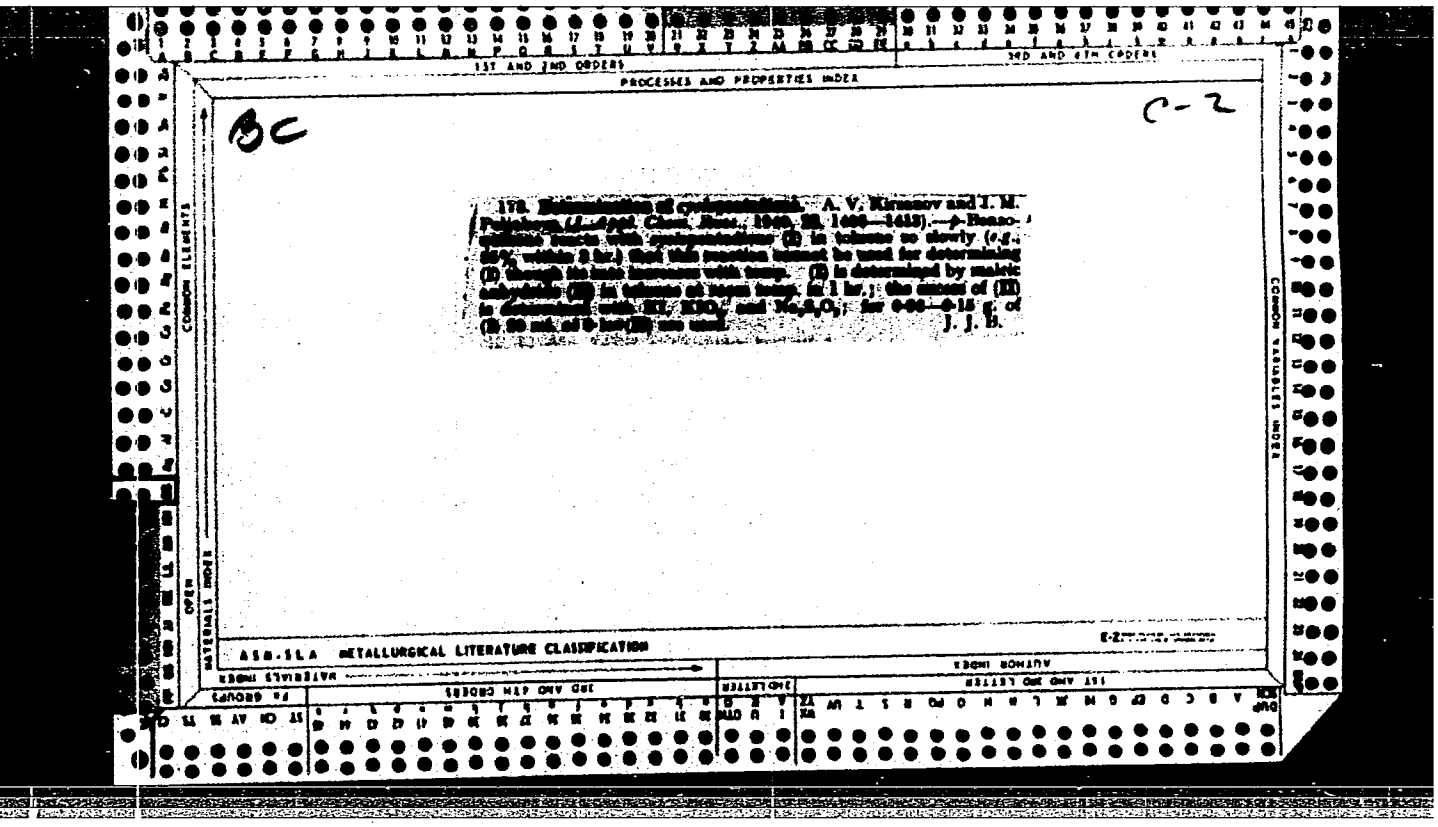
APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



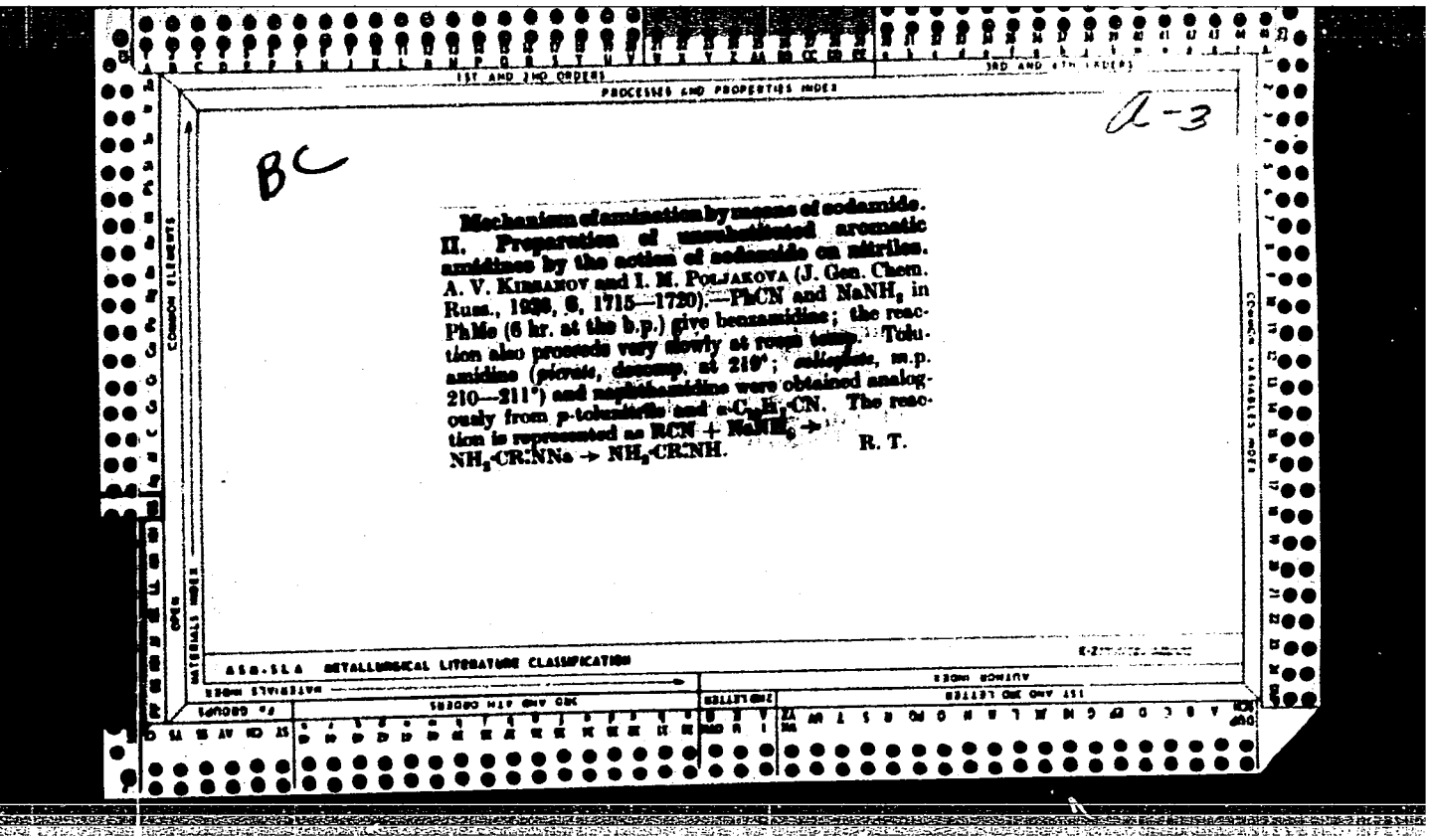
APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



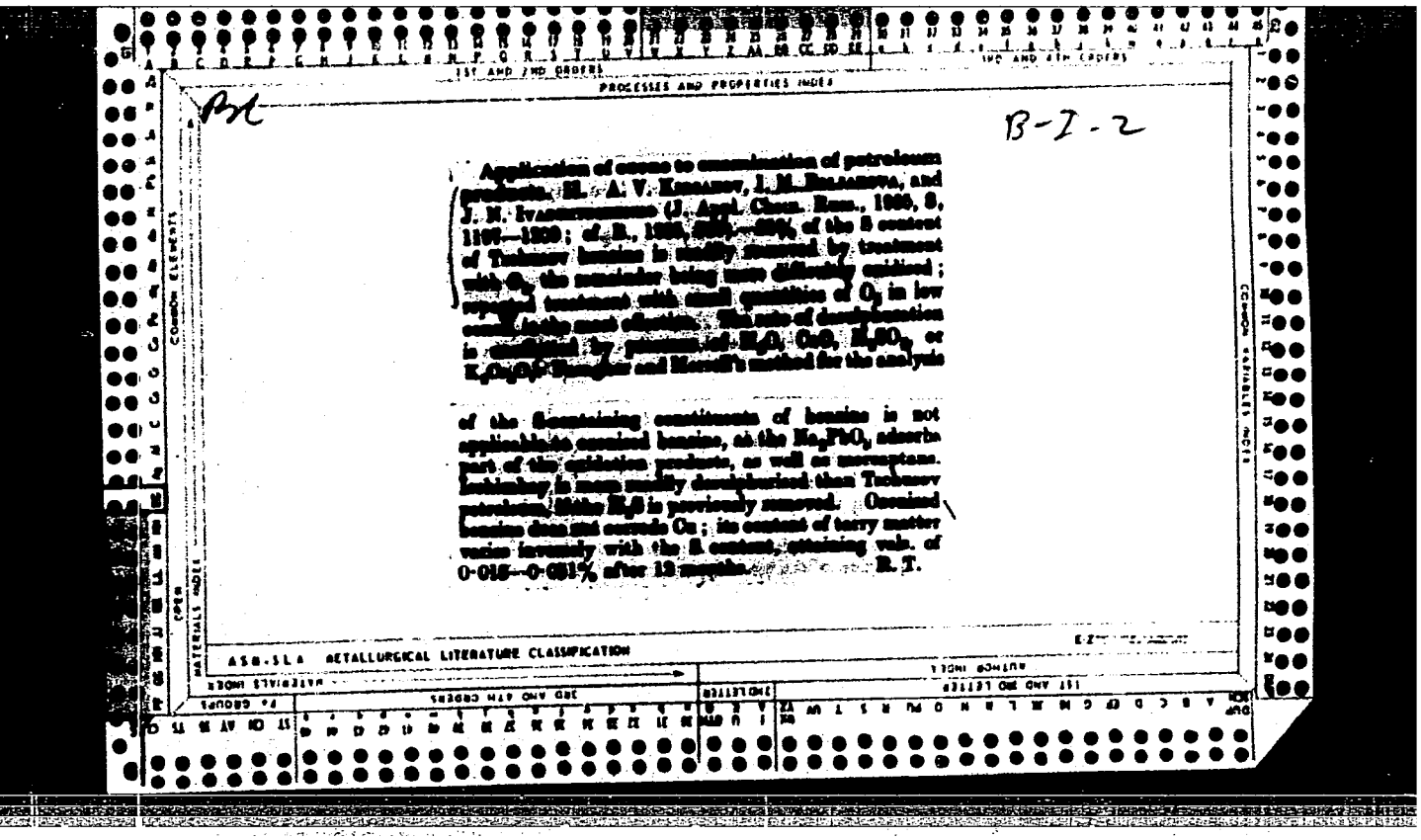
BC

A-3

Mechanism of amination by means of sodamide. II. Preparation of unsubstituted aromatic amidines by the action of sodamide on nitriles. A. V. KIRSANOV and I. M. POLJAKOVA (J. Gen. Chem. Russ., 1938, 8, 1715—1720).—PhCN and $NaNH_2$ in PhMe (6 hr. at the b.p.) give benzamidine; the reaction also proceeds very slowly at room temp. Toluamidine (*picrate*, decomp. at 219°; *salicylate*, m.p. 210—211°) and naphthamidine were obtained analogously from *p*-tolunitrile and α-$C_{10}H_7$·CN. The reaction is represented as RCN + $NaNH_2$ → NH_2·CR:NNa → NH_2·CR:NH. R. T.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



PROCESSES AND PROPERTIES INDEX

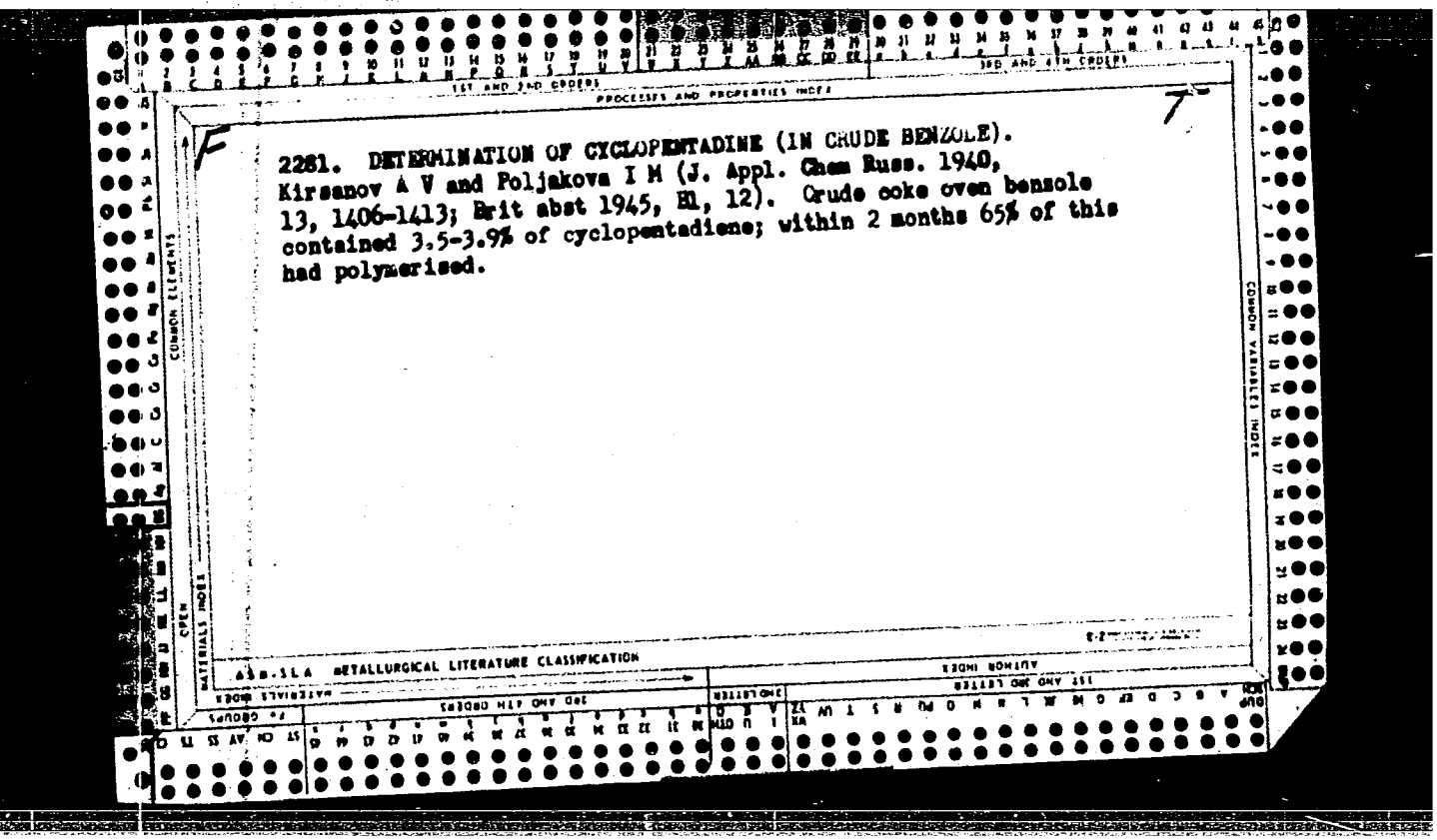
B-I-2

of the S-containing constituents of benzine is not applicable to cracked benzine, as the Na_2PbO_2 absorbs part of the oxidation products, as well as mercaptans. Leningrad, in many quality deteriorated than Tuymazy petroleum. Unlike H$_2$S is previously removed. Cracked benzine does not corrode Cu; its content of tarry matter varies inversely with the S content, attaining valu. of 0·015—0·081%, after 12 months. R. T.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



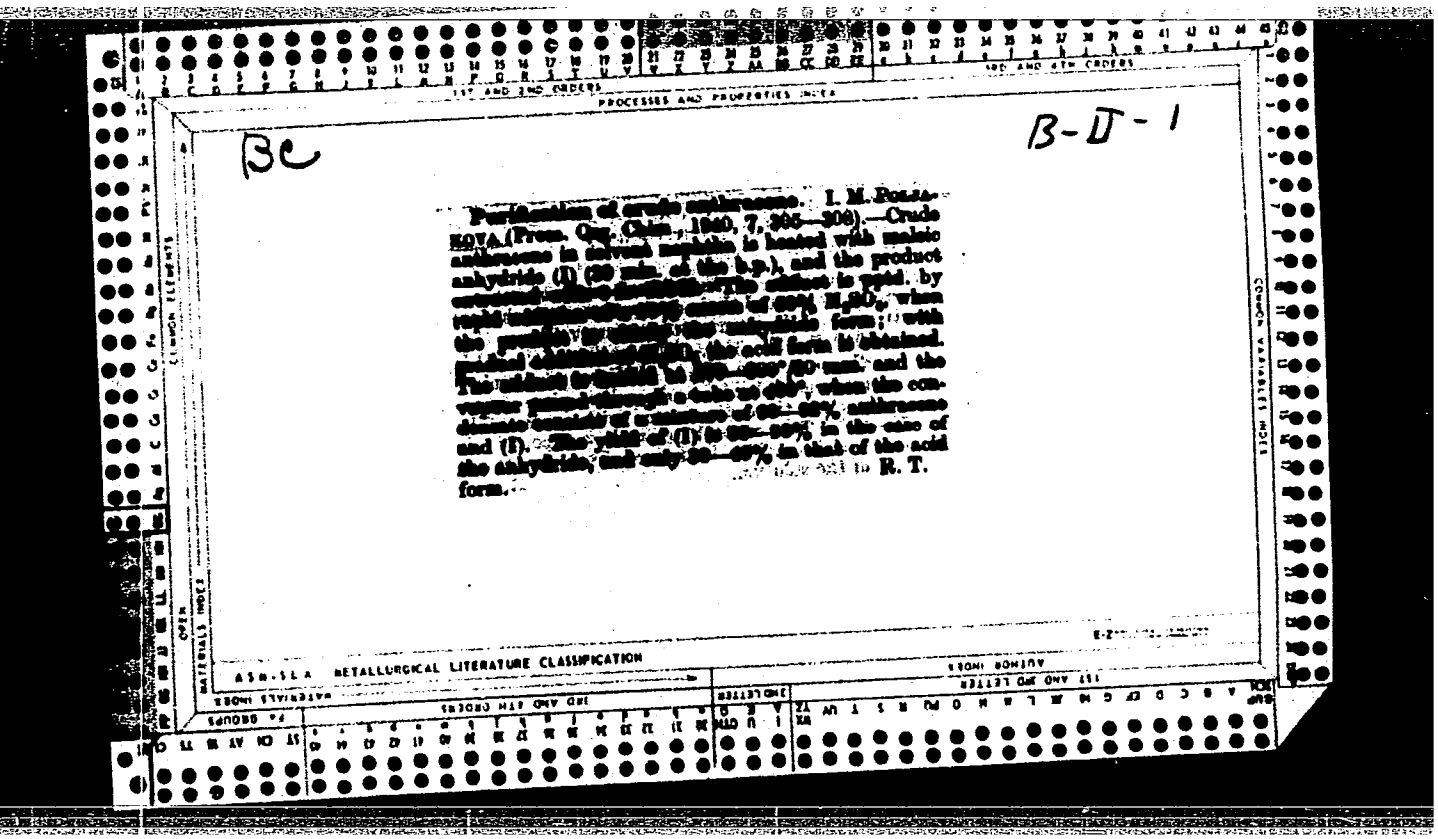
F

2281. DETERMINATION OF CYCLOPENTADIENE (IN CRUDE BENZOLE). Kirsanov A V and Poljakova I M (J. Appl. Chem Russ. 1940, 13, 1406-1413; Brit abst 1945, BI, 12). Crude coke oven benzole contained 3.5-3.9% of cyclopentadiene; within 2 months 65% of this had polymerised.

T

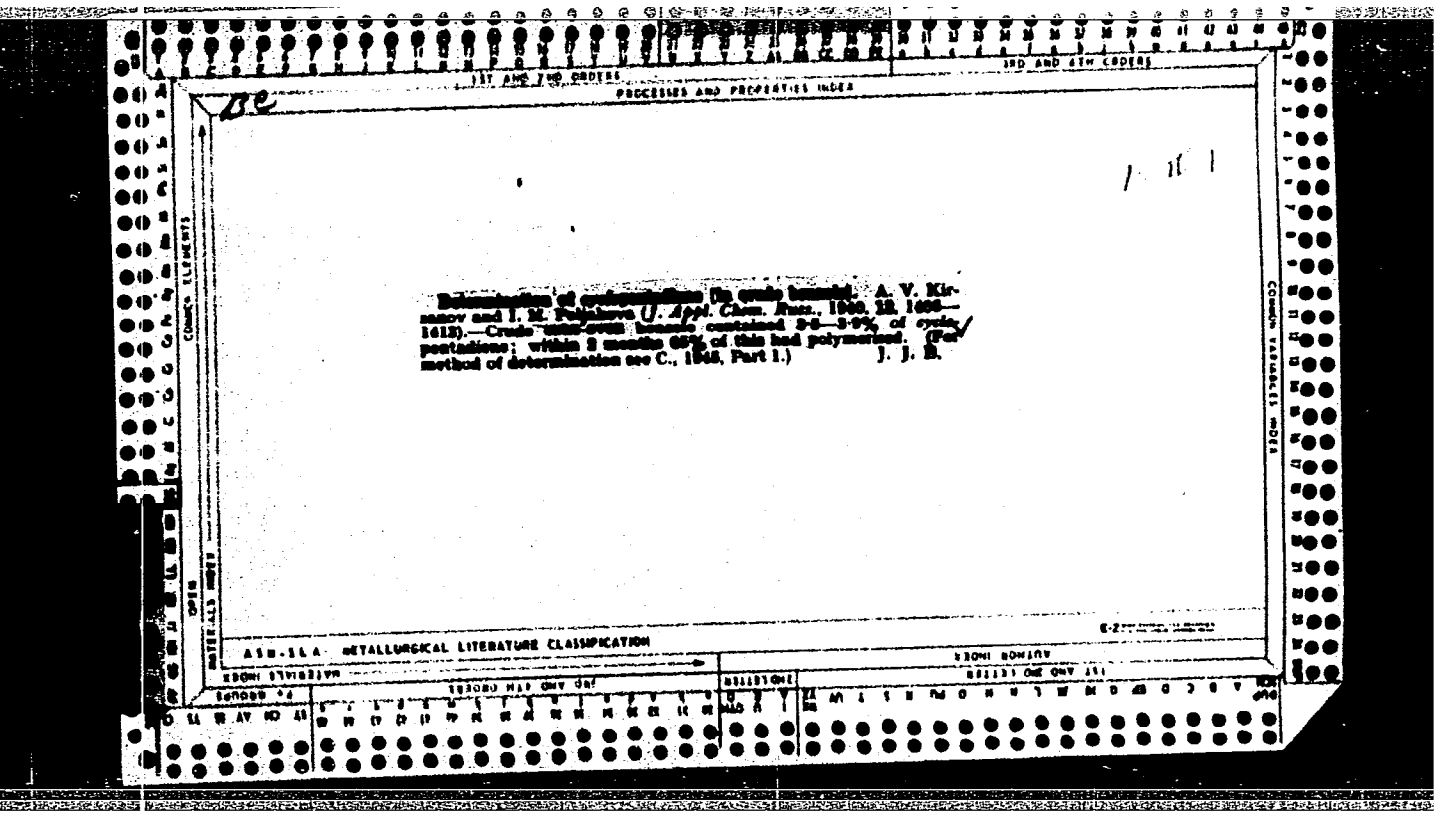
APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLIVKOVA-MESPOROVA, K.

Results of the treatment of certain ovarian disorders by x-ray irradiation of the pituitary. Lek. listy, Brno 6 no.23:733-735 1 Dec 51. (CLML 21:4)

1. Of the Obstetric-Gynecological Clinic (Head--Docent V. Vasek, M.D.) of Palacky University, Olomouc.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

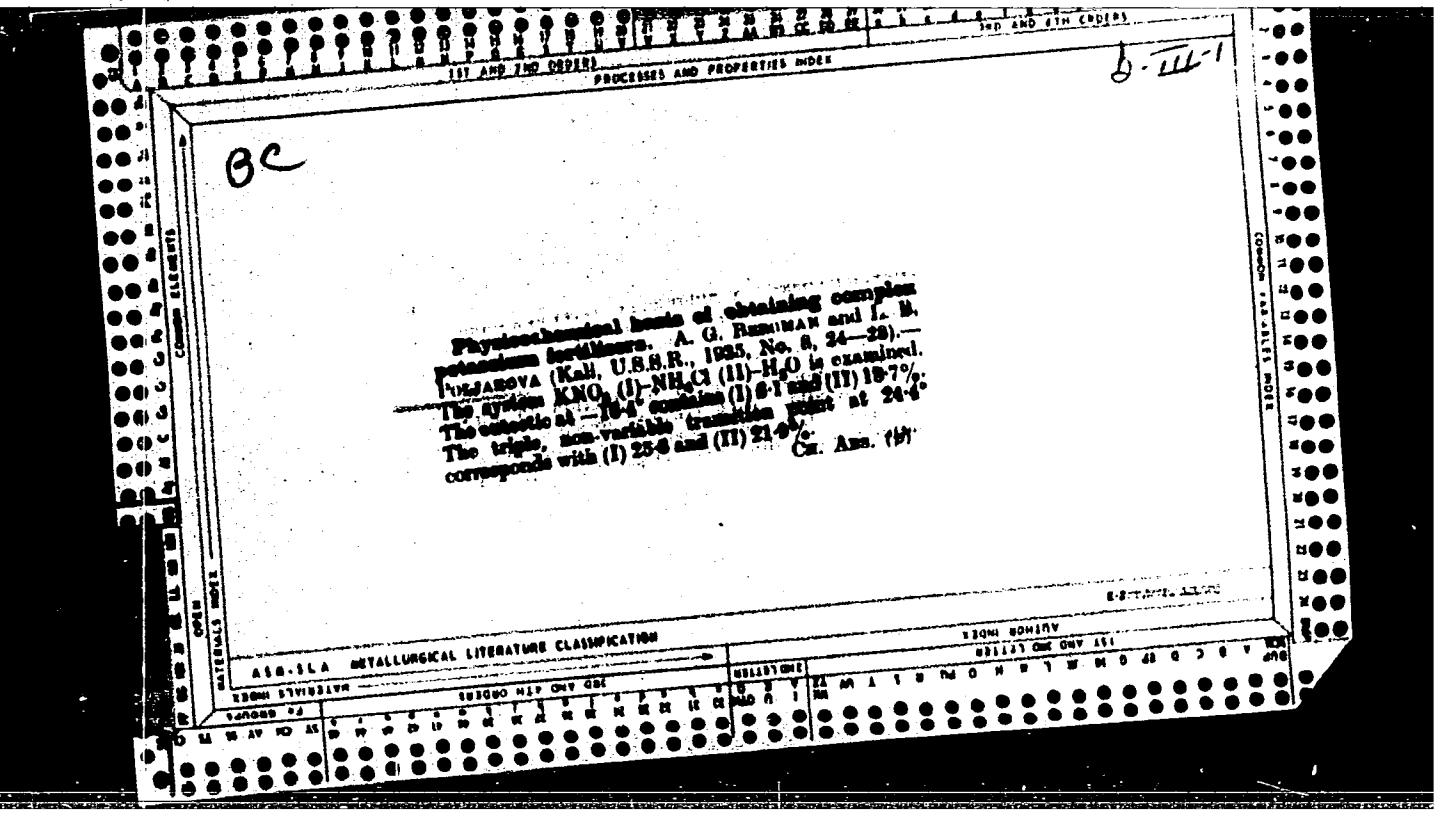
SHAPOVALOV, G.M.; POL'KIN, S.I.

Effect of soluble glass and sodium oleate on the flotation of pyrochlore and zircon with use of sodium alkyl sulfate. Izv. vys.ucheb.zav.; tsvet.met. 2 no.1:20-25 '59. (MIRA 12:5)

1. Moskovskiy institut tsvetnykh metallov i zolota. Kafedra obogashcheniya poleznykh iskopayemykh.
(Flotation) (Pyrochlore) (Zircon)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

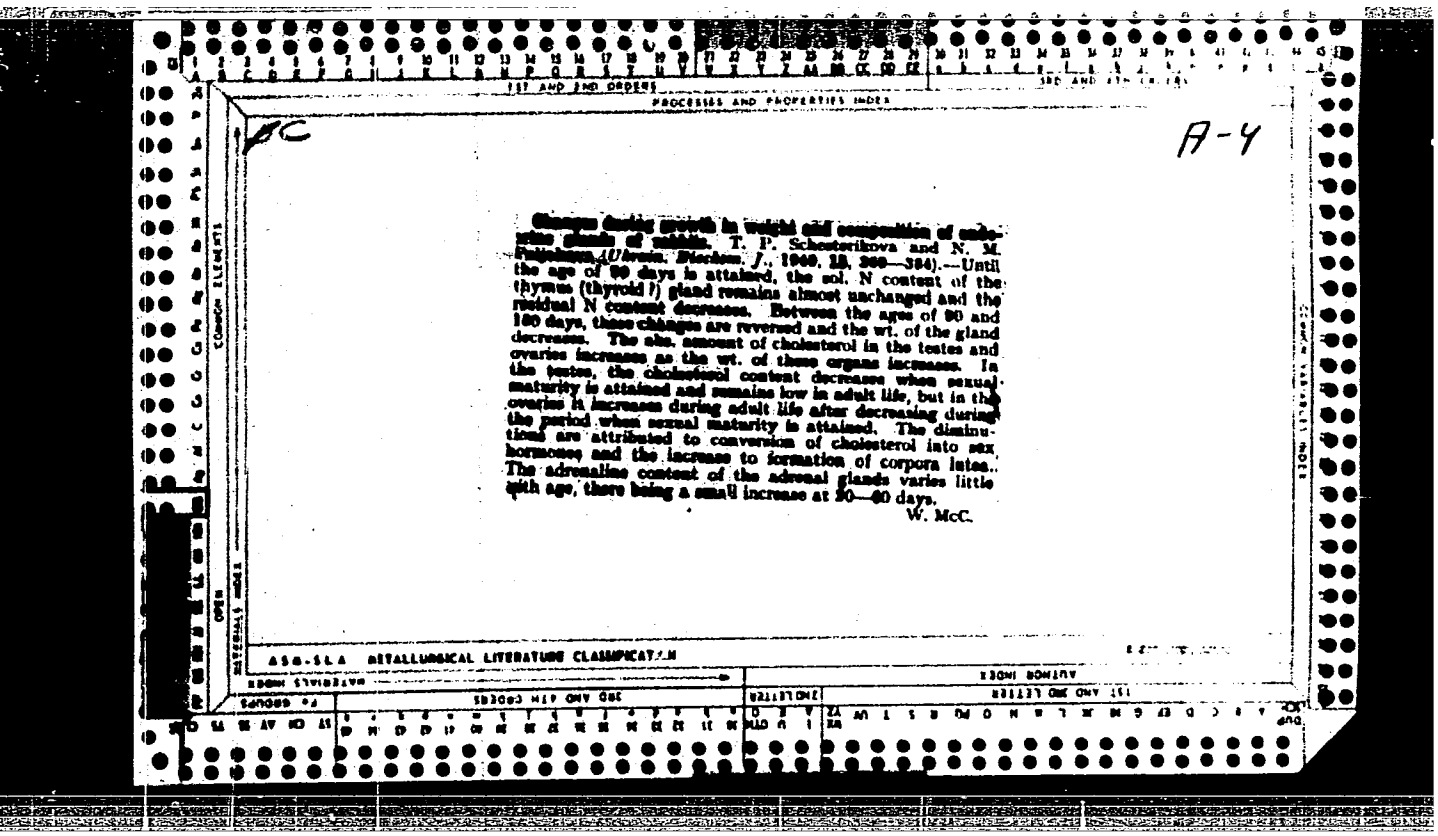
"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAKOV, L.E.

On the problems and methods of teaching physicians the fundamentals of mathematical statistics. Cesk. zdrav. 12 no.4: 170-172 Ap'64

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



PROCESSES AND PROPERTIES INDEX

PC

A-4

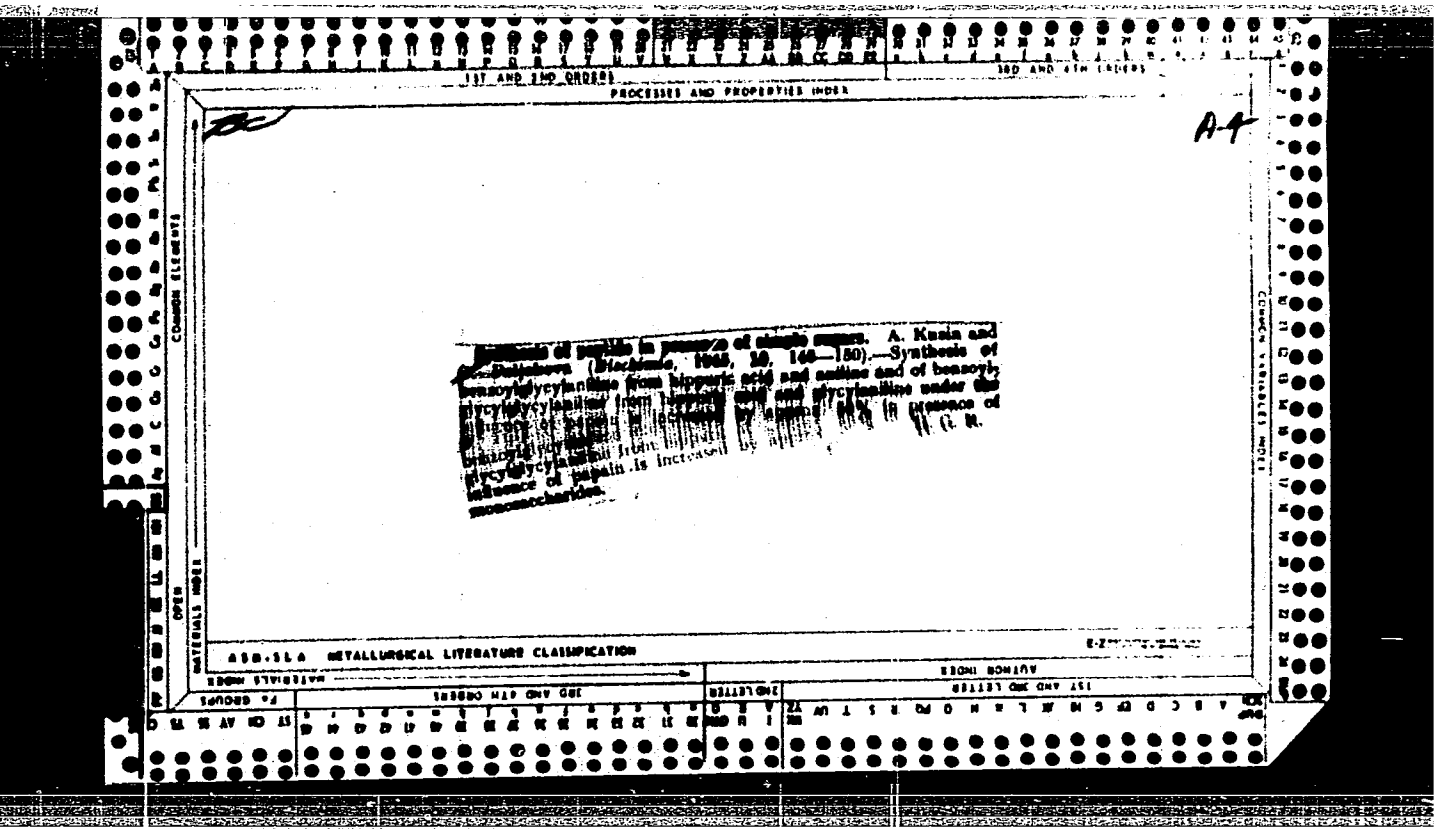
Changes during growth in weight and composition of endocrine glands of rabbits. T. P. Scheuterikowa and N. M. Fedotkina. *Uchenie. Biochem. J.*, 1940, 15, 366—384).—Until the age of 90 days is attained, the sol. N content of the thymus (thyroid?) gland remains almost unchanged and the residual N content decreases. Between the ages of 90 and 180 days, these changes are reversed and the wt. of the gland decreases. The abs. amount of cholesterol in the testes and ovaries increases as the wt. of these organs increases. In the testes, the cholesterol content decreases when sexual maturity is attained and remains low in adult life, but in the ovaries it increases during adult life after decreasing during the period when sexual maturity is attained. The diminutions are attributed to conversion of cholesterol into sex hormones and the increase to formation of corpora lutea. The adrenaline content of the adrenal glands varies little with age, there being a small increase at 30—60 days.

W. McC.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

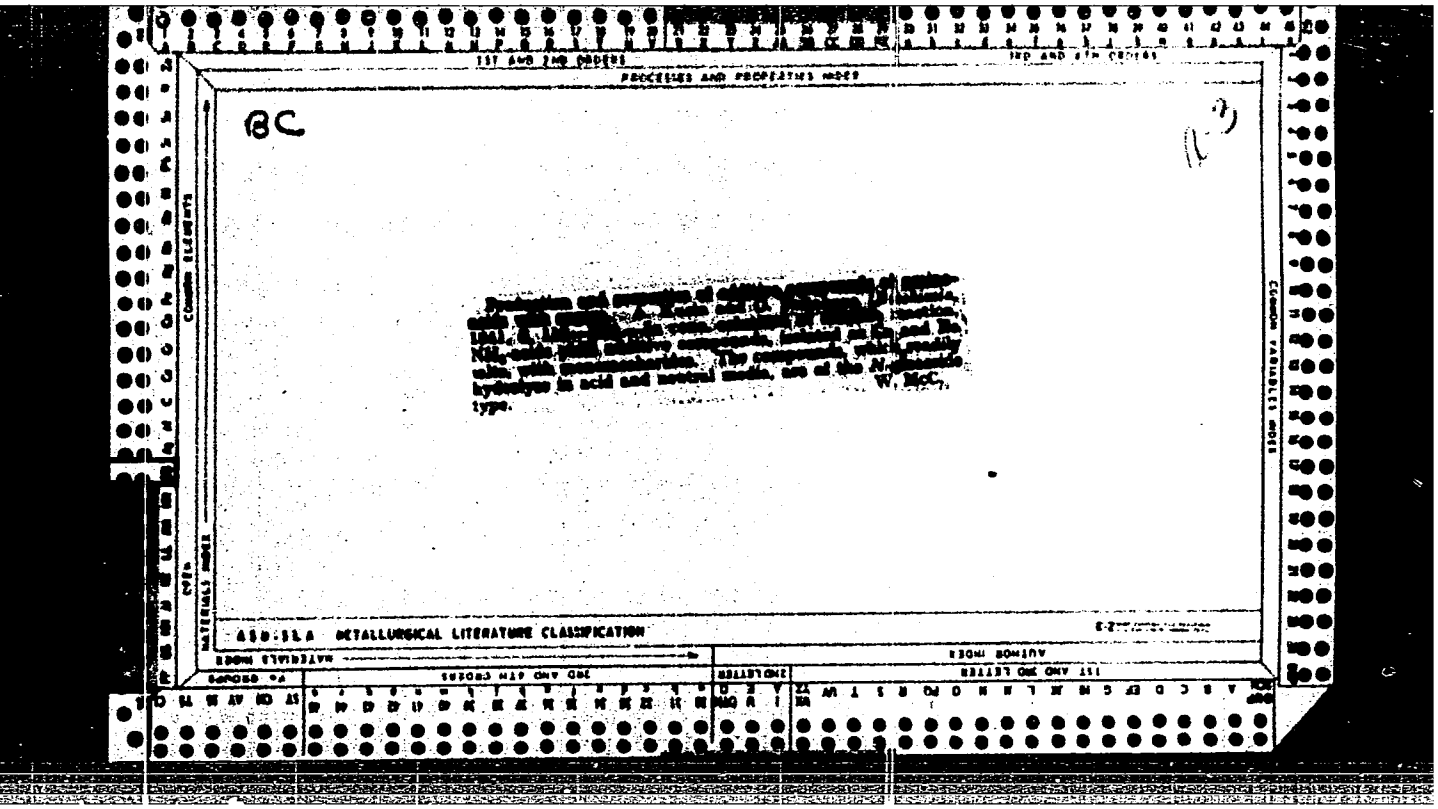
APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

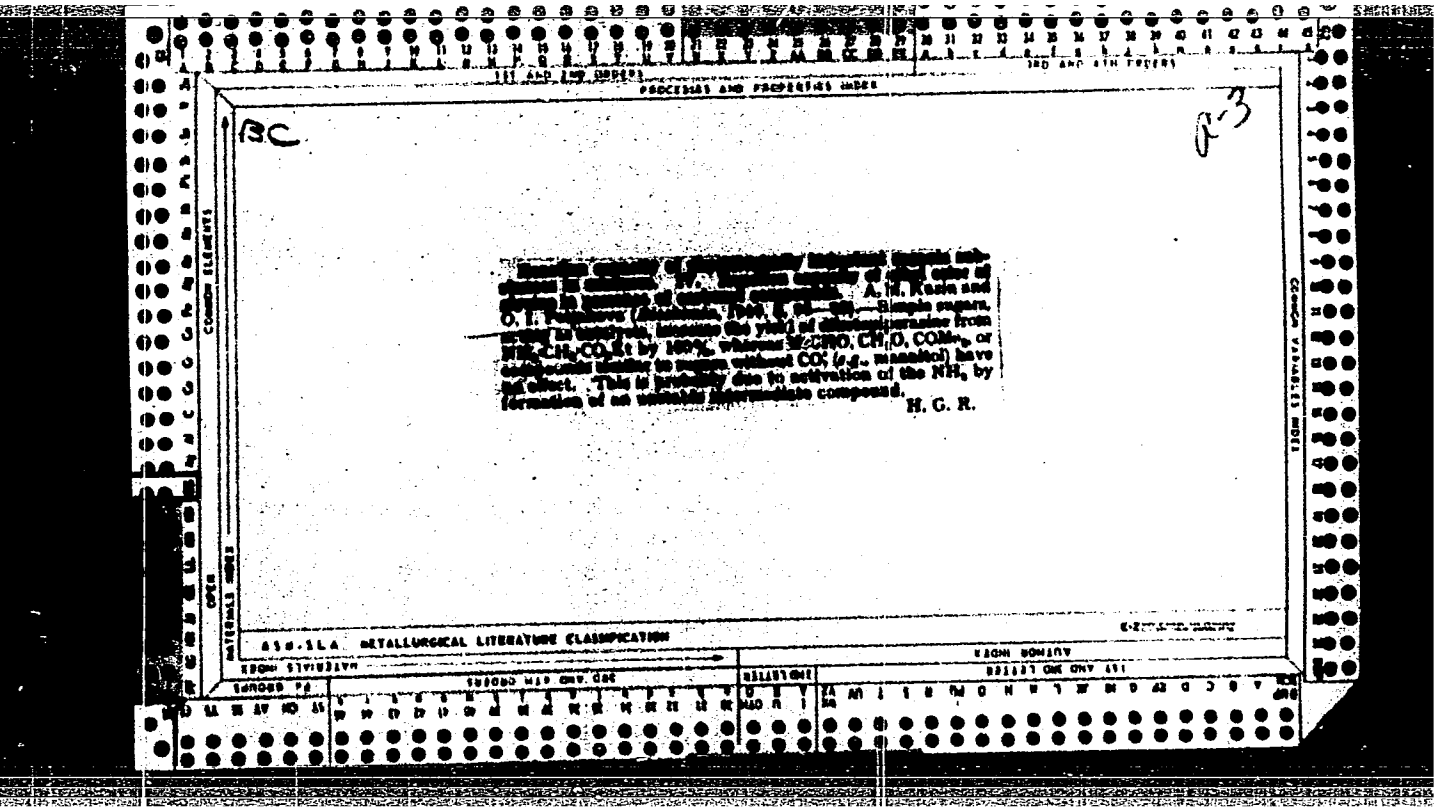
POLJAKOVA, O. I.

"Isomerisation des hydrocarbures polymethyleniques sous l'action du chlorure d'aluminium. Memoire I". Tourova-Poljak, M. B., Poljakova, O. I. (p. 233)

SO: Journal of General Chemistry
(Zhurnal Obshchei Khimii) 1939, Volume 9, #3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

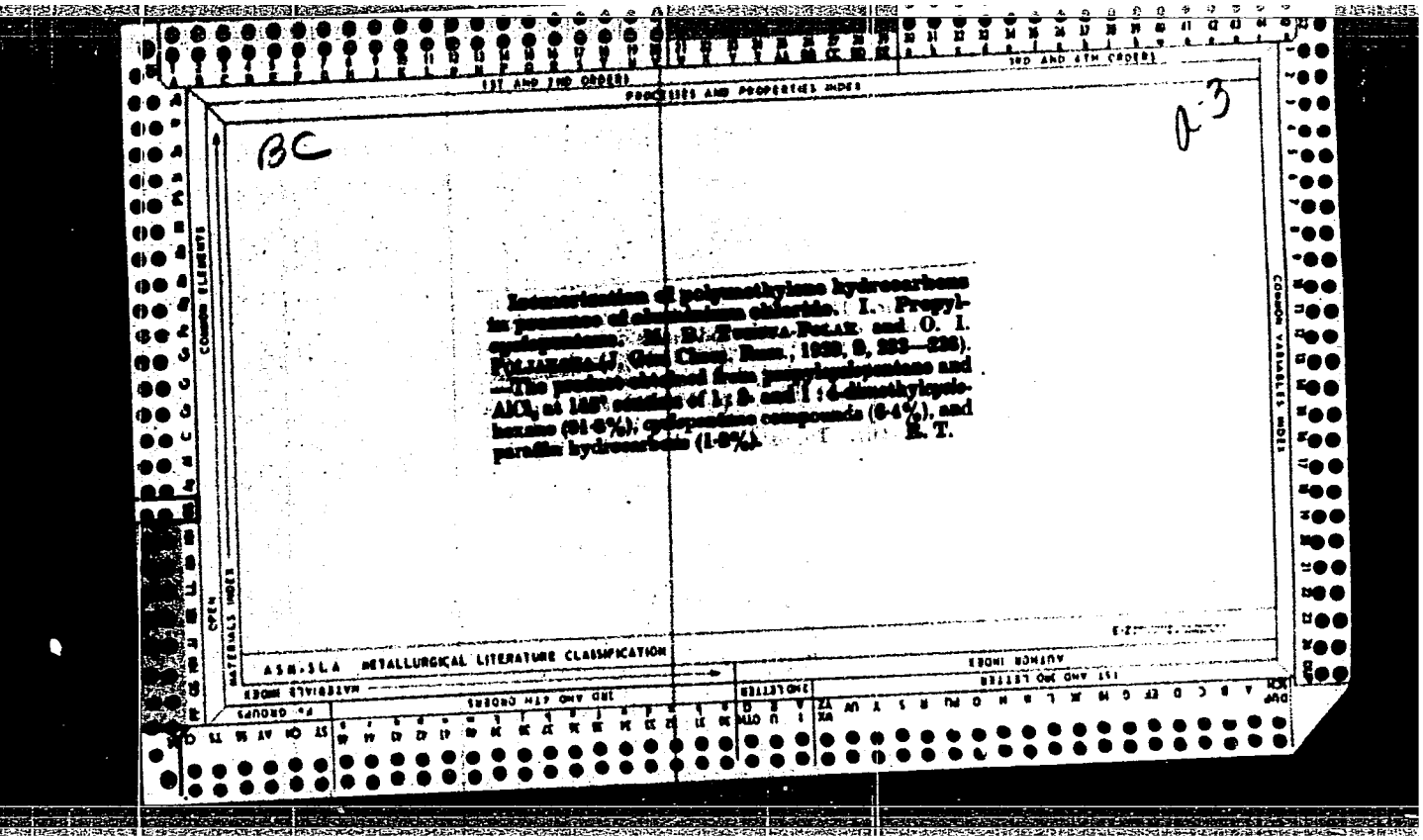
"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



H. G. R.

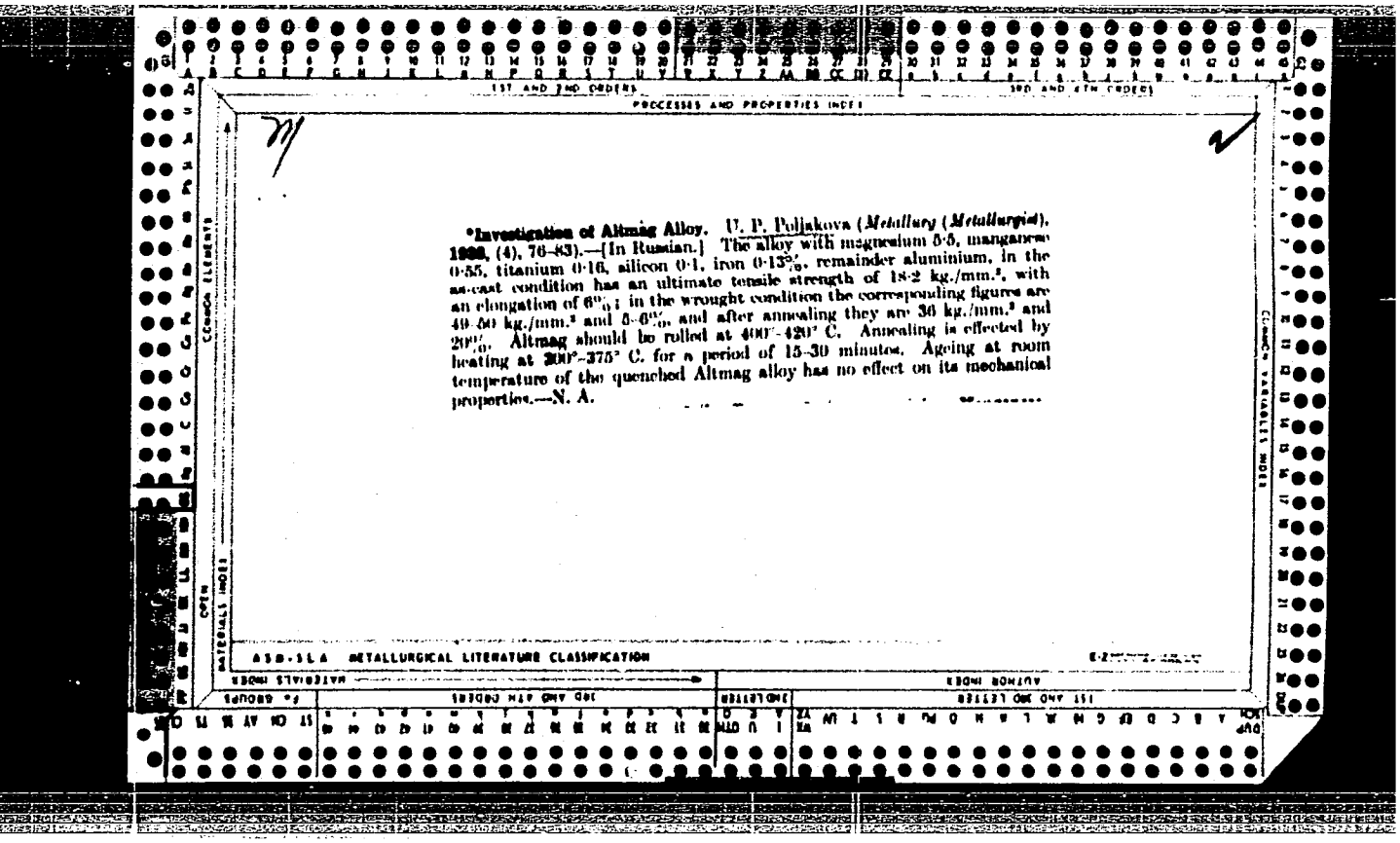
APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1



PROCESSES AND PROPERTIES INDEX

***Investigation of Altmag Alloy.** U. P. Poljakova (*Metallurg* (*Metallurgist*), **1938**, (4), 76–83).—[In Russian.] The alloy with magnesium 5·5, manganese 0·55, titanium 0·16, silicon 0·1, iron 0·13%, remainder aluminium, in the as-cast condition has an ultimate tensile strength of 18·2 kg./mm.², with an elongation of 6%; in the wrought condition the corresponding figures are 40–50 kg./mm.² and 5–6%, and after annealing they are 36 kg./mm.² and 20%. Altmag should be rolled at 400°–420° C. Annealing is effected by heating at 300°–375° C. for a period of 15–30 minutes. Ageing at room temperature of the quenched Altmag alloy has no effect on its mechanical properties.—N. A.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1

POLJAKOVA, V. A.

"Synthese de l'alcaloide pilozinine." Poljakova, A. M.; Poljakova, V. A.; Preobrazenskij, N. A. (p. 1402)

SO: Journal of General Chemistry
(Zhurnal Obshchei Khimii) 1939, Volume 9, #15

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"